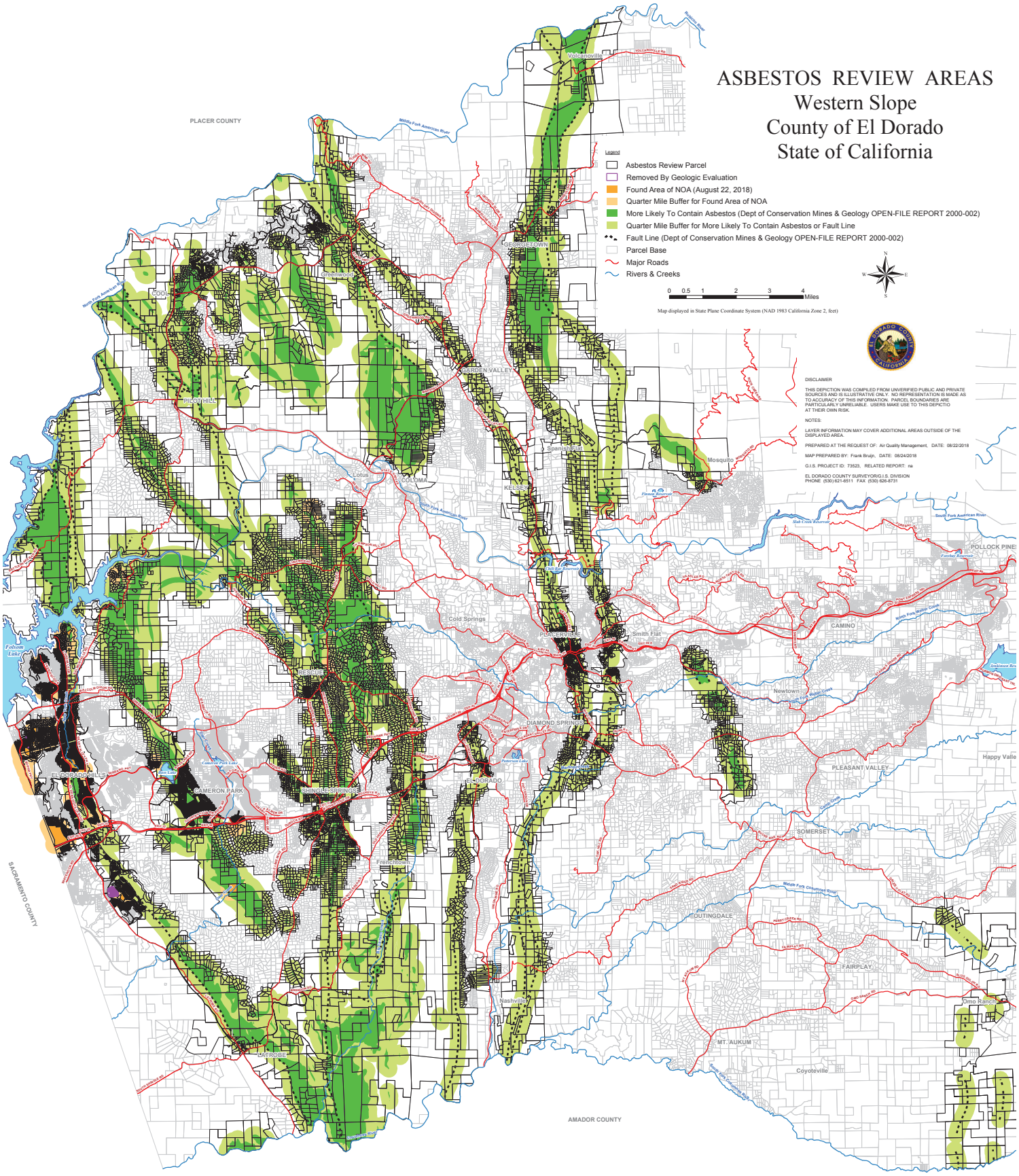
# Appendix C

## Air Quality, Greenhous Gas and Energy Modeling Data

# ASBESTOS REVIEW AREAS
## Western Slope
## County of El Dorado
## State of California



# Emissions Summary

## Total and Annual Emissions Summary - Construction - Unmitigated (for AQ and GHG Analysis)

| | tons | | | | | | | | | | MT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total** | 3.46 | 18.00 | 12.37 | 0.03 | 1.69 | 0.65 | 2.34 | 0.74 | 0.61 | 1.35 | 2863.02 | 0.47 | 0.00 | 2875.70 |

| | tons | | | | | | | | | | MT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total Onsite** | 3.17 | 13.39 | 10.04 | 0.02 | 1.26 | 0.64 | 1.90 | 0.62 | 0.60 | 1.21 | 1561.96 | 0.44 | 0.00 | 1573.13 |
| **Total Offsite** | 0.32 | 4.85 | 2.58 | 0.01 | 0.63 | 0.03 | 0.66 | 0.17 | 0.02 | 0.19 | 1301.06 | 0.02 | 0.00 | 1302.58 |

| | tons/year | | | | | | | | | | MT/year | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total 2020** | 1.18 | 14.19 | 8.91 | 0.02 | 1.61 | 0.49 | 2.10 | 0.70 | 0.45 | 1.16 | 2184.83 | 0.36 | 0.00 | 2194.77 |
| **Total 2021** | 1.63 | 3.31 | 2.97 | 0.01 | 0.28 | 0.14 | 0.42 | 0.08 | 0.13 | 0.21 | 565.50 | 0.08 | 0.00 | 567.60 |
| **Total 2022** | 0.68 | 0.74 | 0.74 | 0.00 | 0.01 | 0.04 | 0.04 | 0.00 | 0.03 | 0.04 | 112.69 | 0.03 | 0.00 | 113.34 |

| | tons/year | | | | | | | | | | MT/year | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **2020 Onsite** | 0.94 | 10.02 | 6.91 | 0.01 | 1.22 | 0.47 | 1.69 | 0.60 | 0.43 | 1.03 | 1113.18 | 0.34 | 0.00 | 1121.72 |
| **2020 Offsite** | 0.24 | 4.17 | 2.00 | 0.01 | 0.39 | 0.02 | 0.41 | 0.11 | 0.02 | 0.13 | 1071.65 | 0.02 | 0.00 | 1108.54 |
| **2021 Onsite** | 1.56 | 2.66 | 2.42 | 0.00 | 0.04 | 0.14 | 0.18 | 0.02 | 0.13 | 0.15 | 347.98 | 0.08 | 0.00 | 349.97 |
| **2021 Offsite** | 0.08 | 0.65 | 0.55 | 0.00 | 0.24 | 0.00 | 0.24 | 0.06 | 0.00 | 0.06 | 217.51 | 0.00 | 0.00 | 217.63 |
| **2022 Onsite** | 0.68 | 0.71 | 0.71 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.03 | 0.03 | 100.79 | 0.03 | 0.00 | 101.44 |
| **2022 Offiste** | 0.00 | 0.04 | 0.03 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 11.89 | 0.00 | 0.00 | 11.90 |

**FOR HEALTH RISK ASSESSMENT**

| | | lb/year | | lb/year needed to reduce unmitigated emissions by 45% |
|---|---|---|---|---|
| HRA Emissions Source | Construction Activity/ies | Exhaust PM10 | Exhaust PM2.5 | Exhaust PM10 |
| Main Construction Area | On-Site Construction Activity (w/o off-site trenching) | 400.14 | 372.01 | 200.32 |
| Off-Site Vehicle Trips | Off-Site Vehicle Trips | 16.69 | 15.34 | 16.69 |
| Off-Site Sewer Pipeline Installation | Off-Site Trenching (w/o vehicle trips) | 27.23 | 25.99 | 27.23 |
| | Total | 444.07 | 413.33 | 244.24 |

Percent reduction from unmitigated PM 10 45%

**SUMMARY OF MODELING RESULTS**

**PHASE 1**

Site Preparation - 2020

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0204 | 0.2121 | 0.1076 | 0.0002 | | 0.0110 | 0.0110 | | 0.0101 | 0.0101 | 16.7153 | 0.0054 | 0.0000 | 16.8506 |
| 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 | 0.0005 | 0.0003 | 0.0030 | 0.0000 | 0.0007 | 0.0000 | 0.0007 | 0.0002 | 0.0000 | 0.0002 | 0.6344 | 0.0000 | 0.0000 | 0.6349 |
| Total | 0.0209 | 0.2124 | 0.1106 | 0.0002 | 0.0910 | 0.0110 | 0.1020 | 0.0499 | 0.0101 | 0.0600 | 17.3497 | 0.0054 | 0.0000 | 17.4855 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0204 | 0.2121 | 0.1076 | 0.0002 | 0.0903 | 0.0110 | 0.1013 | 0.0497 | 0.0101 | 0.0598 | 16.7153 | 0.0054 | 0.0000 | 16.8506 |
| **TOTAL OFFSITE** | 0.0005 | 0.0003 | 0.0030 | 0.0000 | 0.0007 | 0.0000 | 0.0007 | 0.0002 | 0.0000 | 0.0002 | 0.6344 | 0.0000 | 0.0000 | 0.6349 |

Grading - 2020

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.6764 | 7.6300 | 4.8577 | 0.0094 | | 0.3304 | 0.3304 | | 0.3040 | 0.3040 | 828.1613 | 0.2678 | 0.0000 | 834.8574 |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 0.0071 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 677.2948 | 0.0087 | 0.0000 | 677.5115 |
| 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 | 0.0151 | 0.0094 | 0.1003 | 0.0002 | 0.0239 | 0.0002 | 0.0241 | 0.0064 | 0.0002 | 0.0065 | 21.4286 | 0.0007 | 0.0000 | 21.4457 |
| Total | 0.7678 | 10.6193 | 5.8059 | 0.0168 | 1.0972 | 0.3424 | 1.4397 | 0.5512 | 0.3155 | 0.8667 | 1526.8847 | 0.2772 | 0.0000 | 1533.8146 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.6764 | 7.6300 | 4.8577 | 0.0094 | 0.9243 | 0.3304 | 1.2547 | 0.5041 | 0.3040 | 0.8081 | 828.1613 | 0.2678 | 0.0000 | 834.8574 |
| **TOTAL OFFSITE** | 0.0914 | 2.9893 | 0.9482 | 0.0074 | 0.1729 | 0.0120 | 0.1850 | 0.0471 | 0.0115 | 0.0586 | 698.7234 | 0.0094 | 0.0000 | 698.9572 |

Grading - 2021

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0231 | 0.2552 | 0.1698 | 0.0003 | | 0.0109 | 0.0109 | | 0.0101 | 0.0101 | 29.9722 | 0.0097 | 0.0000 | 30.2146 |
| Hauling | 0.0026 | 0.1000 | 0.0288 | 0.0003 | 0.1152 | 0.0004 | 0.1155 | 0.0284 | 0.0004 | 0.0288 | 24.2693 | 0.0003 | 0.0000 | 24.2765 |
| 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 | 0.0005 | 0.0003 | 0.0033 | 0.0000 | 0.0009 | 0.0000 | 0.0009 | 0.0002 | 0.0000 | 0.0002 | 0.7491 | 0.0000 | 0.0000 | 0.7496 |
| Total | 0.0262 | 0.3555 | 0.2019 | 0.0006 | 0.1581 | 0.0113 | 0.1693 | 0.0478 | 0.0105 | 0.0583 | 54.9906 | 0.0100 | 0.0000 | 55.2407 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0231 | 0.2552 | 0.1698 | 0.0003 | 0.0420 | 0.0109 | 0.0529 | 0.0192 | 0.0101 | 0.0293 | 29.9722 | 0.0097 | 0.0000 | 30.2146 |
| **TOTAL OFFSITE** | 0.0031 | 0.1003 | 0.0321 | 0.0003 | 0.1161 | 0.0004 | 0.1164 | 0.0286 | 0.0004 | 0.0290 | 25.0184 | 0.0003 | 0.0000 | 25.0261 |

**PHASE 1**

Trenching - 2020

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0021 | 0.0190 | 0.0132 | 0.0000 | | 0.0014 | 0.0014 | | 0.0013 | 0.0013 | 1.4824 | 0.0005 | 0.0000 | 1.4944 |
| 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 | 0.0001 | 0.0001 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |
| Total | 0.0022 | 0.0191 | 0.0137 | 0.0000 | 0.0001 | 0.0014 | 0.0015 | 0.0000 | 0.0013 | 0.0013 | 1.5881 | 0.0005 | 0.0000 | 1.6002 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0021 | 0.0190 | 0.0132 | 0.0000 | 0.0000 | 0.0014 | 0.0014 | 0.0000 | 0.0013 | 0.0013 | 1.4824 | 0.0005 | 0.0000 | 1.4944 |
| **TOTAL OFFSITE** | 0.0001 | 0.0001 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |

Road Construction Emissions Modeling - 2020

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sub-Phase | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0243 | 0.0000 | 0.0243 | 0.0051 | 0.0000 | 0.0051 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Grading/Excavation | 0.0173 | 0.1547 | 0.1506 | 0.0003 | 0.1094 | 0.0076 | 0.1170 | 0.0227 | 0.0070 | 0.0297 | 29.4083 | 0.0036 | 0.0015 | 29.9494 |
| Drainage/Utilities/Sub-Gra | 0.0122 | 0.0908 | 0.0680 | 0.0001 | 0.0729 | 0.0055 | 0.0784 | 0.0152 | 0.0050 | 0.0202 | 11.6106 | 0.0017 | 0.0007 | 11.8531 |
| Paving | 0.0078 | 0.0863 | 0.0540 | 0.0002 | 0.0000 | 0.0036 | 0.0036 | 0.0000 | 0.0031 | 0.0031 | 16.3726 | 0.0027 | 0.0012 | 16.8112 |
| Total | 0.0374 | 0.3317 | 0.2726 | 0.0007 | 0.2066 | 0.0167 | 0.2233 | 0.0430 | 0.0151 | 0.0581 | 57.3914 | 0.0080 | 0.0034 | 58.6137 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0302 | 0.2445 | 0.2448 | 0.0004 | 0.2066 | 0.0136 | 0.2202 | 0.0430 | 0.0130 | 0.0560 | 35.2126 | 0.0076 | 0.0003 | 35.4922 |
| **TOTAL OFFSITE** | 0.0071 | 0.0872 | 0.0279 | 0.0002 | 0.0000 | 0.0031 | 0.0031 | 0.0000 | 0.0021 | 0.0021 | 22.1789 | 0.0004 | 0.0031 | 58.6137 |

Building Construction - 2020

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.2120 | 1.9186 | 1.6849 | 0.0027 | | 0.1117 | 0.1117 | | 0.1050 | 0.1050 | 231.6100 | 0.0565 | 0.0000 | 233.0226 |
| 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 | 0.0347 | 1.0282 | 0.3448 | 0.0022 | 0.0526 | 0.0059 | 0.0585 | 0.0152 | 0.0056 | 0.0208 | 206.2121 | 0.0042 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 0.0016 | 0.1606 | 0.0013 | 0.1619 | 0.0427 | 0.0012 | 0.0439 | 143.7970 | 0.0046 | 0.0000 | 143.9117 |
| Total | 0.3483 | 3.0097 | 2.7029 | 0.0065 | 0.2132 | 0.1189 | 0.3321 | 0.0579 | 0.1118 | 0.1697 | 581.6191 | 0.0653 | 0.0000 | 583.2522 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.2120 | 1.9186 | 1.6849 | 0.0027 | 0.0000 | 0.1117 | 0.1117 | 0.0000 | 0.1050 | 0.1050 | 231.6100 | 0.0565 | 0.0000 | 233.0226 |
| **TOTAL OFFSITE** | 0.1363 | 1.0911 | 1.0180 | 0.0038 | 0.2132 | 0.0072 | 0.2204 | 0.0579 | 0.0068 | 0.0647 | 350.0091 | 0.0088 | 0.0000 | 350.2296 |

Building Construction - 2021

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0951 | 0.8716 | 0.8288 | 0.0014 | | 0.0479 | 0.0479 | | 0.0451 | 0.0451 | 115.8186 | 0.0279 | 0.0000 | 116.5172 |
| 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 | 0.0141 | 0.4680 | 0.1539 | 0.0011 | 0.0263 | 0.0014 | 0.0277 | 0.0076 | 0.0014 | 0.0090 | 102.3962 | 0.0018 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 0.0008 | 0.0803 | 0.0006 | 0.0809 | 0.0214 | 0.0006 | 0.0219 | 69.4587 | 0.0021 | 0.0000 | 69.5100 |
| Total | 0.1570 | 1.3679 | 1.2891 | 0.0032 | 0.1066 | 0.0499 | 0.1565 | 0.0290 | 0.0470 | 0.0760 | 287.6735 | 0.0318 | 0.0000 | 288.4694 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0951 | 0.8716 | 0.8288 | 0.0014 | 0.0000 | 0.0479 | 0.0479 | 0.0000 | 0.0451 | 0.0451 | 115.8186 | 0.0279 | 0.0000 | 116.5172 |
| **TOTAL OFFSITE** | 0.0619 | 0.4963 | 0.4603 | 0.0019 | 0.1066 | 0.0020 | 0.1086 | 0.0290 | 0.0019 | 0.0309 | 171.8549 | 0.0039 | 0.0000 | 171.9522 |

Paving - 2021

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0126 | 0.1292 | 0.1465 | 0.0002 | | 0.0068 | 0.0068 | | 0.0062 | 0.0062 | 20.0235 | 0.0065 | 0.0000 | 20.1854 |
| Paving | 0.0093 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 | 0.0007 | 0.0004 | 0.0045 | 0.0000 | 0.0012 | 0.0000 | 0.0012 | 0.0003 | 0.0000 | 0.0003 | 1.0215 | 0.0000 | 0.0000 | 1.0222 |
| Total | 0.0226 | 0.1296 | 0.1510 | 0.0002 | 0.0012 | 0.0068 | 0.0080 | 0.0003 | 0.0063 | 0.0066 | 21.0450 | 0.0065 | 0.0000 | 21.2076 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0219 | 0.1292 | 0.1465 | 0.0002 | 0.0000 | 0.0068 | 0.0068 | 0.0000 | 0.0062 | 0.0062 | 20.0235 | 0.0065 | 0.0000 | 20.1854 |
| **TOTAL OFFSITE** | 0.0100 | 0.0004 | 0.0045 | 0.0000 | 0.0012 | 0.0000 | 0.0012 | 0.0003 | 0.0000 | 0.0003 | 1.0215 | 0.0000 | 0.0000 | 1.0222 |

Architectural Coating - 2021

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 1.24E+00 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0022 | 0.0153 | 0.0182 | 0.0000 | | 0.0009 | 0.0009 | | 0.0009 | 0.0009 | 2.5533 | 0.0002 | 0.0000 | 2.5576 |
| 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 | 0.0019 | 0.0011 | 0.0123 | 0.0000 | 0.0032 | 0.0000 | 0.0033 | 0.0009 | 0.0000 | 0.0009 | 2.7920 | 0.0001 | 0.0000 | 2.7940 |
| Total | 1.2405 | 0.0164 | 0.0305 | 0.0001 | 0.0032 | 0.0010 | 0.0042 | 0.0009 | 0.0010 | 0.0018 | 5.3453 | 0.0003 | 0.0000 | 5.3516 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 1.2386 | 0.0153 | 0.0182 | 0.0000 | 0.0000 | 0.0009 | 0.0009 | 0.0000 | 0.0009 | 0.0009 | 2.5533 | 0.0002 | 0.0000 | 2.5576 |
| **TOTAL OFFSITE** | 0.0019 | 0.0011 | 0.0123 | 0.0000 | 0.0032 | 0.0000 | 0.0033 | 0.0009 | 0.0000 | 0.0009 | 2.7920 | 0.0001 | 0.0000 | 2.7940 |

**PHASE 2**

Building Construction - 2021

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.1769 | 1.3864 | 1.2597 | 0.0022 | | 0.0707 | 0.0707 | | 0.0677 | 0.0677 | 179.6162 | 0.0353 | 0.0000 | 180.4996 |
| 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 | 0.0015 | 0.0500 | 0.0164 | 0.0001 | 0.0028 | 0.0002 | 0.0030 | 0.0008 | 0.0001 | 0.0010 | 10.9349 | 0.0002 | 0.0000 | 10.9398 |
| Worker | 0.0041 | 0.0024 | 0.0260 | 0.0001 | 0.0068 | 0.0001 | 0.0069 | 0.0018 | 0.0001 | 0.0019 | 5.8904 | 0.0002 | 0.0000 | 5.8947 |
| Total | 0.1825 | 1.4388 | 1.3021 | 0.0024 | 0.0096 | 0.0709 | 0.0805 | 0.0026 | 0.0679 | 0.0705 | 196.4415 | 0.0357 | 0.0000 | 197.3341 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.1769 | 1.3864 | 1.2597 | 0.0022 | 0.0000 | 0.0707 | 0.0707 | 0.0000 | 0.0677 | 0.0677 | 179.6162 | 0.0353 | 0.0000 | 180.4996 |
| **TOTAL OFFSITE** | 0.0056 | 0.0524 | 0.0424 | 0.0002 | 0.0096 | 0.0002 | 0.0098 | 0.0026 | 0.0002 | 0.0028 | 16.8253 | 0.0004 | 0.0000 | 16.8345 |

Building Construction - 2022

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0436 | 0.3432 | 0.3373 | 0.0006 | | 0.0165 | 0.0165 | | 0.0158 | 0.0158 | 48.8048 | 0.0094 | 0.0000 | 49.0402 |
| 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 | 0.0004 | 0.0129 | 0.0042 | 0.0000 | 0.0008 | 0.0000 | 0.0008 | 0.0002 | 0.0000 | 0.0003 | 2.9492 | 0.0001 | 0.0000 | 2.9504 |
| Worker | 0.0010 | 0.0006 | 0.0065 | 0.0000 | 0.0019 | 0.0000 | 0.0019 | 0.0005 | 0.0000 | 0.0005 | 1.5435 | 0.0000 | 0.0000 | 1.5445 |
| Total | 0.0450 | 0.3567 | 0.3480 | 0.0006 | 0.0026 | 0.0166 | 0.0192 | 0.0007 | 0.0158 | 0.0166 | 53.2975 | 0.0095 | 0.0000 | 53.5351 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0436 | 0.3432 | 0.3373 | 0.0006 | 0.0000 | 0.0165 | 0.0165 | 0.0000 | 0.0158 | 0.0158 | 48.8048 | 0.0094 | 0.0000 | 49.0402 |
| **TOTAL OFFSITE** | 0.0014 | 0.0135 | 0.0107 | 0.0001 | 0.0026 | 0.0001 | 0.0027 | 0.0007 | 0.0000 | 0.0008 | 4.4927 | 0.0001 | 0.0000 | 4.4949 |

Architectural Coating - 2022

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0010 | 0.0070 | 0.0091 | 0.0000 | | 0.0004 | 0.0004 | | 0.0004 | 0.0004 | 1.2766 | 0.0001 | 0.0000 | 1.2787 |
| 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 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| Total | 0.3405 | 0.0071 | 0.0093 | 0.0000 | 0.0001 | 0.0004 | 0.0005 | 0.0000 | 0.0004 | 0.0004 | 1.3423 | 0.0001 | 0.0000 | 1.3444 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.3404 | 0.0070 | 0.0091 | 0.0000 | 0.0000 | 0.0004 | 0.0004 | 0.0000 | 0.0004 | 0.0004 | 1.2766 | 0.0001 | 0.0000 | 1.2787 |
| **TOTAL OFFSITE** | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |

**PHASE 3**

Building Construction - 2022

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0343 | 0.3513 | 0.3576 | 0.0006 | | 0.0186 | 0.0186 | | 0.0171 | 0.0171 | 50.0739 | 0.0162 | 0.0000 | 50.4787 |
| 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 | 0.0007 | 0.0219 | 0.0072 | 0.0001 | 0.0013 | 0.0001 | 0.0014 | 0.0004 | 0.0001 | 0.0004 | 5.0198 | 0.0001 | 0.0000 | 5.0219 |
| Worker | 0.0016 | 0.0009 | 0.0096 | 0.0000 | 0.0028 | 0.0000 | 0.0028 | 0.0007 | 0.0000 | 0.0008 | 2.2988 | 0.0001 | 0.0000 | 2.3004 |
| Total | 0.0365 | 0.3741 | 0.3744 | 0.0007 | 0.0041 | 0.0187 | 0.0227 | 0.0011 | 0.0172 | 0.0183 | 57.3925 | 0.0163 | 0.0000 | 57.8010 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0343 | 0.3513 | 0.3576 | 0.0006 | 0.0000 | 0.0186 | 0.0186 | 0.0000 | 0.0171 | 0.0171 | 50.0739 | 0.0162 | 0.0000 | 50.4787 |
| **TOTAL OFFSITE** | 0.0022 | 0.0228 | 0.0168 | 0.0001 | 0.0041 | 0.0001 | 0.0041 | 0.0011 | 0.0001 | 0.0012 | 7.3186 | 0.0001 | 0.0000 | 7.3223 |

Architectural Coating - 2022

**Unmitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0005 | 0.0035 | 0.0045 | 0.0000 | | 0.0002 | 0.0002 | | 0.0002 | 0.0002 | 0.6383 | 0.0000 | 0.0000 | 0.6394 |
| 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 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| Total | 0.2588 | 0.0035 | 0.0046 | 0.0000 | 0.0000 | 0.0002 | 0.0002 | 0.0000 | 0.0002 | 0.0002 | 0.6547 | 0.0000 | 0.0000 | 0.6558 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.2588 | 0.0035 | 0.0045 | 0.0000 | 0.0000 | 0.0002 | 0.0002 | 0.0000 | 0.0002 | 0.0002 | 0.6383 | 0.0000 | 0.0000 | 0.6394 |
| **TOTAL OFFSITE** | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |

## Max Daily Emissions Summary - Construction - Unmitigated (For HRA)

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| **Max Daily** | 124.07 | 113.27 | 74.40 | 0.21 | 30.44 | 4.04 | 33.50 | 9.38 | 3.70 | 12.22 |

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Max Daily by Year | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| **2020** | 9.91 | 113.27 | 74.40 | 0.21 | 15.48 | 4.04 | 19.52 | 5.49 | 3.70 | 9.19 |
| **2021** | 124.07 | 91.18 | 62.78 | 0.18 | 30.44 | 3.06 | 33.50 | 9.38 | 2.83 | 12.22 |
| **2022** | 103.51 | 15.16 | 14.82 | 0.03 | 0.12 | 0.70 | 0.82 | 0.03 | 0.68 | 0.71 |

**Construction Schedule Assumptions**

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Simultaneous Construction Activity within Phase | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | x | | | | | |
| 1 | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | | x | x | x | x | x |
| 1 | Trenching (on-site) | 5/1/2020 | 5/12/2020 | 6 | 10 | | | x | | | |
| 1 | Trenching (off-site) | 5/1/2020 | 8/1/2020 | 6 | 80 | | | x | x | | |
| 1 | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | | | | x | | |
| 1 | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | | | | | x | |
| 1 | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | | | | | | x |

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Site Prep | Grading | Trenching | Bldg. Const. | Paving | Arch. Coating |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | | | | x | | |
| 2 | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | | | | | | x |

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Site Prep | Grading | Trenching | Bldg. Const. | Paving | Arch. Coating |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | | | | x | | |
| 3 | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | | | | | | x |

**FOR HEALTH RISK ASSESSMENT - Unmitigated Run**

| | | Max Hourly Emissions lb/hour | |
|---|---|---|---|
| HRA Emissions Source | Max Construction Activity/ies | Exhaust PM10 | Exhaust PM2.5 |
| Main Construction Area | On-Site Grading + Building Construction Activity in 2020 | 0.4114 | 0.3813 |
| Off-Site Vehicle Trips | Off-Site Grading + Building Construction + Trenching Vehicle Trips in 2020 | 0.0187 | 0.0178 |
| Off-Site Sewer Pipeline Installation | Off-Site Trenching (w/o vehicle trips) | 0.5949 | 0.5109 |

Note: Assumes 8 hours per day.

**SUMMARY OF MODELING RESULTS**

**PHASE 1**

Site Preparation - 2020

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 |
| Hauling | 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 |
| Worker | 0.0976 | 0.0486 | 0.6443 | 0.0015 | 0.1479 | 0.0011 | 0.1490 | 0.0392 | 0.0010 | 0.0403 |
| Total | 4.1741 | 42.4659 | 22.1579 | 0.0395 | 18.2142 | 2.1985 | 20.4127 | 9.9699 | 2.0226 | 11.9926 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL ONSITE** | 4.0765 | 42.4173 | 21.5136 | 0.0380 | 18.0663 | 2.1974 | 20.2637 | 9.9307 | 2.0216 | 11.9523 |
| **TOTAL OFFSITE** | 0.0976 | 0.0486 | 0.6443 | 0.0015 | 0.1479 | 0.0011 | 0.1490 | 0.0392 | 0.0010 | 0.0403 |

**PHASE 1**

Grading - 2020

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 |
| Hauling | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.1084 | 0.0540 | 0.7159 | 0.0017 | 0.1643 | 0.0013 | 0.1655 | 0.0436 | 0.0012 | 0.0447 |
| Total | 5.0551 | 69.2670 | 38.1387 | 0.1109 | 7.2611 | 2.2525 | 9.5136 | 3.6371 | 2.0752 | 5.7121 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 4.4501 | 50.1975 | 31.9583 | 0.0620 | 6.0787 | 2.1739 | 8.2526 | 3.3163 | 2.0000 | 5.3163 |
| **TOTAL OFFSITE** | 0.6050 | 19.0695 | 6.1804 | 0.0489 | 1.1824 | 0.0786 | 1.2610 | 0.3208 | 0.0752 | 0.3958 |

Grading - 2021

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 |
| Off-Road | 4.1912 | 46.3998 | 30.8785 | 0.0620 | | 1.9853 | 1.9853 | | 1.8265 | 1.8265 |
| Hauling | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.1021 | 0.0486 | 0.6541 | 0.0016 | 0.1643 | 0.0012 | 0.1655 | 0.0436 | 0.0011 | 0.0447 |
| Total | 4.7644 | 64.0902 | 36.6583 | 0.1103 | 28.2218 | 2.0566 | 30.2784 | 8.7820 | 1.8946 | 10.6766 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 4.1912 | 46.3998 | 30.8785 | 0.0620 | 6.0787 | 1.9853 | 8.0640 | 3.3163 | 1.8265 | 5.1428 |
| **TOTAL OFFSITE** | 0.5732 | 17.6904 | 5.7798 | 0.0483 | 22.1431 | 0.0713 | 22.2144 | 5.4657 | 0.0681 | 5.5338 |

Trenching (On-site) - 2020

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.4197 | 3.7966 | 2.6363 | 0.0034 | | 0.2843 | 0.2843 | | 0.2615 | 0.2615 |
| Hauling | 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 |
| Worker | 0.0163 | 0.0081 | 0.1074 | 0.0003 | 0.0246 | 0.0002 | 0.0248 | 0.0065 | 0.0002 | 0.0067 |
| Total | 0.4360 | 3.8047 | 2.7437 | 0.0036 | 0.0246 | 0.2845 | 0.3091 | 0.0065 | 0.2617 | 0.2682 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.4197 | 3.7966 | 2.6363 | 0.0034 | 0.0000 | 0.2843 | 0.2843 | 0.0000 | 0.2615 | 0.2615 |
| **TOTAL OFFSITE** | 0.0163 | 0.0081 | 0.1074 | 0.0003 | 0.0246 | 0.0002 | 0.0248 | 0.0065 | 0.0002 | 0.0067 |

Trenching (Off-site) - Road Construction Emissions Modeling - 2020

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sub-Phase (occuring at separate times) | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Grubbing/Land Clearing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 6.0000 | 0.0000 | 6.0000 | 1.2480 | 0.0000 | 1.2480 |
| Grading/Excavation | 0.9507 | 8.4861 | 8.2633 | 0.0184 | 6.0000 | 0.4177 | 6.4177 | 1.2480 | 0.3836 | 1.6316 |
| Drainage/Utilities/Sub-Grade | 1.0028 | 7.4692 | 5.5979 | 0.0113 | 6.0000 | 0.4526 | 6.4526 | 1.2480 | 0.4113 | 1.6593 |
| Paving | 1.2920 | 14.2104 | 8.8880 | 0.0302 | 0.0000 | 0.5949 | 0.5949 | 0.0000 | 0.5109 | 0.5109 |
| Max | 1.2920 | 14.2104 | 8.8880 | 0.0302 | 6.0000 | 0.5949 | 6.5949 | 1.2480 | 0.5109 | 1.7589 |

Building Construction - 2020

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 |
| Total | 3.5658 | 29.7895 | 27.3744 | 0.0661 | 2.2208 | 1.1882 | 3.4089 | 0.6011 | 1.1178 | 1.7190 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 2.1198 | 19.1860 | 16.8485 | 0.0269 | 0.0000 | 1.1171 | 1.1171 | 0.0000 | 1.0503 | 1.0503 |
| **TOTAL OFFSITE** | 1.4460 | 10.6035 | 10.5259 | 0.0392 | 2.2208 | 0.0711 | 2.2918 | 0.6011 | 0.0675 | 0.6687 |

**PHASE 1**

Building Construction - 2021

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 |
| Total | 3.2188 | 27.0927 | 26.1215 | 0.0654 | 2.2208 | 0.9987 | 3.2195 | 0.6011 | 0.9392 | 1.5404 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 1.9009 | 17.4321 | 16.5752 | 0.0269 | 0.0000 | 0.9586 | 0.9586 | 0.0000 | 0.9013 | 0.9013 |
| **TOTAL OFFSITE** | 1.3179 | 9.6606 | 9.5463 | 0.0385 | 2.2208 | 0.0401 | 2.2609 | 0.6011 | 0.0379 | 0.6391 |

Paving - 2021

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Hauling | 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 |
| Worker | 0.0766 | 0.0364 | 0.4905 | 0.0012 | 0.1232 | 0.0009 | 0.1241 | 0.0327 | 0.0008 | 0.0335 |
| Total | 2.2636 | 12.9555 | 15.1437 | 0.0240 | 0.1232 | 0.6786 | 0.8018 | 0.0327 | 0.6243 | 0.6570 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 2.1870 | 12.9191 | 14.6532 | 0.0228 | 0.0000 | 0.6777 | 0.6777 | 0.0000 | 0.6235 | 0.6235 |
| **TOTAL OFFSITE** | 1.0080 | 0.0364 | 0.4905 | 0.0012 | 0.1232 | 0.0009 | 0.1241 | 0.0327 | 0.0008 | 0.0335 |

Architectural Coating - 2021

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 1.24E+02 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 0.0030 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 |
| Hauling | 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 |
| Worker | 0.2093 | 0.0995 | 1.3408 | 0.0034 | 0.3368 | 0.0025 | 0.3393 | 0.0893 | 0.0023 | 0.0916 |
| Total | 124.0720 | 1.6263 | 3.1584 | 0.0063 | 0.3368 | 0.0966 | 0.4334 | 0.0893 | 0.0964 | 0.1857 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 123.8627 | 1.5268 | 1.8176 | 0.0030 | 0.0000 | 0.0941 | 0.0941 | 0.0000 | 0.0941 | 0.0941 |
| **TOTAL OFFSITE** | 0.2093 | 0.0995 | 1.3408 | 0.0034 | 0.3368 | 0.0025 | 0.3393 | 0.0893 | 0.0023 | 0.0916 |

**PHASE 2**

Building Construction - 2021

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0171 | 0.5658 | 0.1775 | 0.0013 | 0.0336 | 0.0017 | 0.0354 | 0.0097 | 0.0016 | 0.0113 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 0.0008 | 0.0822 | 0.0006 | 0.0828 | 0.0218 | 0.0006 | 0.0223 |
| Total | 2.1132 | 16.6176 | 15.0674 | 0.0272 | 0.1158 | 0.8196 | 0.9355 | 0.0315 | 0.7853 | 0.8167 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 2.0451 | 16.0275 | 14.5629 | 0.0250 | 0.0000 | 0.8173 | 0.8173 | 0.0000 | 0.7831 | 0.7831 |
| **TOTAL OFFSITE** | 0.0681 | 0.5901 | 0.5045 | 0.0022 | 0.1158 | 0.0023 | 0.1182 | 0.0315 | 0.0022 | 0.0336 |

Building Construction - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0160 | 0.5364 | 0.1671 | 0.0013 | 0.0336 | 0.0015 | 0.0352 | 0.0097 | 0.0015 | 0.0111 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 0.0008 | 0.0822 | 0.0006 | 0.0827 | 0.0218 | 0.0005 | 0.0223 |
| Total | 1.9197 | 15.1623 | 14.8208 | 0.0271 | 0.1158 | 0.7043 | 0.8201 | 0.0315 | 0.6751 | 0.7065 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 1.8555 | 14.6040 | 14.3533 | 0.0250 | 0.0000 | 0.7022 | 0.7022 | 0.0000 | 0.6731 | 0.6731 |
| **TOTAL OFFSITE** | 0.0642 | 0.5583 | 0.4675 | 0.0021 | 0.1158 | 0.0021 | 0.1179 | 0.0315 | 0.0020 | 0.0334 |

**PHASE 2**

Architectural Coating - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 67.8749 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 0.0030 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 |
| Hauling | 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 |
| Worker | 0.0096 | 0.0044 | 0.0601 | 0.0002 | 0.0164 | 0.0001 | 0.0166 | 0.0044 | 0.0001 | 0.0045 |
| Total | 68.0890 | 1.4129 | 1.8737 | 0.0031 | 0.0164 | 0.0818 | 0.0983 | 0.0044 | 0.0818 | 0.0862 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 68.0794 | 1.4085 | 1.8136 | 0.0030 | 0.0000 | 0.0817 | 0.0817 | 0.0000 | 0.0817 | 0.0817 |
| **TOTAL OFFSITE** | 0.0096 | 0.0044 | 0.0601 | 0.0002 | 0.0164 | 0.0001 | 0.0166 | 0.0044 | 0.0001 | 0.0045 |

**PHASE 3**

Building Construction - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.6863 | 7.0258 | 7.1527 | 0.0114 | | 0.3719 | 0.3719 | | 0.3422 | 0.3422 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0128 | 0.4291 | 0.1337 | 0.0011 | 0.0269 | 0.0012 | 0.0281 | 0.0077 | 0.0012 | 0.0089 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 0.0006 | 0.0575 | 0.0004 | 0.0579 | 0.0153 | 0.0004 | 0.0156 |
| Total | 0.7328 | 7.4702 | 7.4967 | 0.0130 | 0.0844 | 0.3735 | 0.4579 | 0.0230 | 0.3437 | 0.3667 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.6863 | 7.0258 | 7.1527 | 0.0114 | 0.0000 | 0.3719 | 0.3719 | 0.0000 | 0.3422 | 0.3422 |
| **TOTAL OFFSITE** | 0.0465 | 0.4444 | 0.3440 | 0.0016 | 0.0844 | 0.0016 | 0.0860 | 0.0230 | 0.0015 | 0.0245 |

Architectural Coating - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 103.3049 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 0.0030 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 |
| Hauling | 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 |
| Worker | 0.0048 | 0.0022 | 0.0300 | 0.0001 | 0.0082 | 0.0001 | 0.0083 | 0.0022 | 0.0001 | 0.0022 |
| Total | 103.5142 | 1.4107 | 1.8436 | 0.0031 | 0.0082 | 0.0818 | 0.0900 | 0.0022 | 0.0818 | 0.0839 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 103.5094 | 1.4085 | 1.8136 | 0.0030 | 0.0000 | 0.0817 | 0.0817 | 0.0000 | 0.0817 | 0.0817 |
| **TOTAL OFFSITE** | 0.0048 | 0.0022 | 0.0300 | 0.0001 | 0.0082 | 0.0001 | 0.0083 | 0.0022 | 0.0001 | 0.0022 |

## Average Daily Emissions Summary - Construction - Unmitigated

## Construction Schedule

| | Start Date | End Date | Working Days (6 Days per week) | Hours per Day |
|---|---|---|---|---|
| 2020 | 1/1/2020 | 12/31/2020 | 314 | |
| 2021 | 1/1/2021 | 12/31/2021 | 313 | |
| 2022 | 1/1/2022 | 7/8/2022 | 162 | |
| Total Working Days | 1/1/2020 | 7/8/2022 | 789 | 8 |

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| **Average Daily Emissions (Calculated from total construction emissions)** | 8.76 | 45.62 | 31.36 | 0.08 | 4.28 | 1.65 | 5.93 | 1.88 | 1.54 | 3.42 |
| **EDCAQMD Threshold** | 82 | 82 | NA | NA | NA | NA | NA | NA | NA | NA |
| **Exceeds Threshold** | No | No | NA | NA | NA | NA | NA | NA | NA | NA |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Onsite** | 8.05 | 33.93 | 25.45 | 0.05 | 3.20 | 1.63 | 4.83 | 1.56 | 1.51 | 3.07 |
| **Total Offsite** | 0.82 | 12.31 | 6.53 | 0.04 | 1.60 | 0.06 | 1.66 | 0.43 | 0.06 | 0.49 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total 2020** | 7.49 | 90.40 | 56.72 | 0.15 | 10.24 | 3.12 | 13.37 | 4.47 | 2.89 | 7.36 |
| **Total 2021** | 10.41 | 21.14 | 19.01 | 0.04 | 1.78 | 0.89 | 2.67 | 0.52 | 0.85 | 1.36 |
| **Total 2022** | 8.40 | 9.15 | 9.09 | 0.02 | 0.08 | 0.44 | 0.53 | 0.02 | 0.42 | 0.44 |

## Total and Annual Emissions Summary - Construction with Mitigation: Tier 4 engine for equipment >50hp

| | tons | | | | | | | | | | MT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total** | 2.50 | 6.44 | 12.85 | 0.03 | 1.69 | 0.09 | 1.77 | 0.74 | 0.09 | 0.83 | 2863.01 | 0.47 | 0.00 | 2875.70 |

| | tons | | | | | | | | | | MT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total Onsite** | 2.21 | 1.65 | 10.55 | 0.02 | 1.26 | 0.07 | 1.33 | 0.62 | 0.07 | 0.68 | 1561.96 | 0.44 | 0.00 | 1573.12 |
| **Total Offsite** | 0.32 | 4.85 | 2.58 | 0.01 | 0.63 | 0.03 | 0.66 | 0.17 | 0.02 | 0.19 | 1301.06 | 0.02 | 0.00 | 1302.58 |

| | tons/year | | | | | | | | | | MT/year | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **Total 2020** | 0.43 | 5.03 | 9.18 | 0.02 | 1.61 | 0.05 | 1.66 | 0.70 | 0.05 | 0.75 | 2184.83 | 0.36 | 0.00 | 2194.76 |
| **Total 2021** | 1.45 | 1.29 | 3.16 | 0.01 | 0.28 | 0.03 | 0.31 | 0.08 | 0.03 | 0.11 | 565.50 | 0.08 | 0.00 | 567.60 |
| **Total 2022** | 0.63 | 0.19 | 0.79 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 112.69 | 0.03 | 0.00 | 113.34 |

| | tons/year | | | | | | | | | | MT/year | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| **2020 Onsite** | 0.20 | 0.86 | 7.18 | 0.01 | 1.22 | 0.03 | 1.25 | 0.60 | 0.03 | 0.63 | 1113.18 | 0.34 | 0.00 | 1121.71 |
| **2020 Offsite** | 0.24 | 4.17 | 2.00 | 0.01 | 0.39 | 0.02 | 0.41 | 0.11 | 0.02 | 0.13 | 1071.65 | 0.02 | 0.00 | 1108.54 |
| **2021 Onsite** | 1.38 | 0.63 | 2.61 | 0.00 | 0.04 | 0.03 | 0.07 | 0.02 | 0.03 | 0.05 | 347.98 | 0.08 | 0.00 | 349.97 |
| **2021 Offsite** | 0.08 | 0.65 | 0.55 | 0.00 | 0.24 | 0.00 | 0.24 | 0.06 | 0.00 | 0.06 | 217.51 | 0.00 | 0.00 | 217.63 |
| **2022 Onsite** | 0.63 | 0.15 | 0.77 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 100.79 | 0.03 | 0.00 | 101.44 |
| **2022 Offiste** | 0.00 | 0.04 | 0.03 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 11.89 | 0.00 | 0.00 | 11.90 |

**FOR HEALTH RISK ASSESSMENT**

| | | lb/year | |
|---|---|---|---|
| HRA Emissions Source | Construction Activity/ies | Exhaust PM10 | Exhaust PM2.5 |
| Main Construction Area | On-Site Construction Activity (w/o off-site trenching) | 37.25 | 37.37 |
| Off-Site Vehicle Trips | Off-Site Vehicle Trips | 16.69 | 15.34 |
| Off-Site Sewer Pipeline Installation | Off-Site Trenching (w/o vehicle trips) | 6.52 | 6.34 |

**SUMMARY OF MODELING RESULTS**

**PHASE 1**

Site Preparation - 2020

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0023 | 0.0101 | 0.1043 | 0.0002 | | 0.0003 | 0.0003 | | 0.0003 | 0.0003 | 16.7153 | 0.0054 | 0.0000 | 16.8506 |
| 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 | 0.0005 | 0.0003 | 0.0030 | 0.0000 | 0.0007 | 0.0000 | 0.0007 | 0.0002 | 0.0000 | 0.0002 | 0.6344 | 0.0000 | 0.0000 | 0.6349 |
| Total | 0.0028 | 0.0104 | 0.1073 | 0.0002 | 0.0910 | 0.0003 | 0.0913 | 0.0499 | 0.0003 | 0.0502 | 17.3497 | 0.0054 | 0.0000 | 17.4855 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0023 | 0.0101 | 0.1043 | 0.0002 | 0.0903 | 0.0003 | 0.0906 | 0.0497 | 0.0003 | 0.0500 | 16.7153 | 0.0054 | 0.0000 | 16.8506 |
| **TOTAL OFFSITE** | 0.0005 | 0.0003 | 0.0030 | 0.0000 | 0.0007 | 0.0000 | 0.0007 | 0.0002 | 0.0000 | 0.0002 | 0.6344 | 0.0000 | 0.0000 | 0.6349 |

Grading - 2020

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1158 | 0.5016 | 5.0159 | 0.0094 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | 828.1603 | 0.2678 | 0.0000 | 834.8553 |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 0.0071 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 677.2948 | 0.0087 | 0.0000 | 677.5116 |
| 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 | 0.0151 | 0.0094 | 0.1003 | 0.0002 | 0.0239 | 0.0002 | 0.0241 | 0.0064 | 0.0002 | 0.0065 | 21.4286 | 0.0007 | 0.0000 | 21.4456 |
| Total | 0.2072 | 3.4909 | 5.9641 | 0.0168 | 1.0972 | 0.0274 | 1.1247 | 0.5512 | 0.0269 | 0.5781 | 1526.8837 | 0.2772 | 0.0000 | 1533.8125 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.1158 | 0.5016 | 5.0159 | 0.0094 | 0.9243 | 0.0154 | 0.9397 | 0.5041 | 0.0154 | 0.5195 | 828.1603 | 0.2678 | 0.0000 | 834.8553 |
| **TOTAL OFFSITE** | 0.0914 | 2.9893 | 0.9482 | 0.0074 | 0.1729 | 0.0120 | 0.1850 | 0.0471 | 0.0115 | 0.0586 | 698.7234 | 0.0094 | 0.0000 | 698.9572 |

Grading - 2021

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0042 | 0.0182 | 0.1815 | 0.0003 | | 0.0006 | 0.0006 | | 0.0006 | 0.0006 | 29.9722 | 0.0097 | 0.0000 | 30.2145 |
| Hauling | 0.0026 | 0.1000 | 0.0288 | 0.0003 | 0.1152 | 0.0004 | 0.1155 | 0.0284 | 0.0004 | 0.0288 | 24.2693 | 0.0003 | 0.0000 | 24.2766 |
| 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 | 0.0005 | 0.0003 | 0.0033 | 0.0000 | 0.0009 | 0.0000 | 0.0009 | 0.0002 | 0.0000 | 0.0002 | 0.7491 | 0.0000 | 0.0000 | 0.7496 |
| Total | 0.0073 | 0.1185 | 0.2136 | 0.0006 | 0.1581 | 0.0010 | 0.1589 | 0.0478 | 0.0009 | 0.0488 | 54.9906 | 0.0100 | 0.0000 | 55.2406 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0042 | 0.0182 | 0.1815 | 0.0003 | 0.0420 | 0.0006 | 0.0426 | 0.0192 | 0.0006 | 0.0198 | 29.9722 | 0.0097 | 0.0000 | 30.2145 |
| **TOTAL OFFSITE** | 0.0031 | 0.1003 | 0.0321 | 0.0003 | 0.1161 | 0.0004 | 0.1164 | 0.0286 | 0.0004 | 0.0290 | 25.0184 | 0.0003 | 0.0000 | 25.0262 |

**PHASE 1**

Trenching - 2020

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0002 | 0.0009 | 0.0127 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.4824 | 0.0005 | 0.0000 | 1.4944 |
| 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 | 0.0001 | 0.0001 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.1057 | 0.0000 | 0.0000 | 0.1057 |
| Total | 0.0003 | 0.0009 | 0.0132 | 0.0000 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0001 | 1.5881 | 0.0005 | 0.0000 | 1.6001 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0002 | 0.0009 | 0.0127 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.4824 | 0.0005 | 0.0000 | 1.4944 |
| **TOTAL OFFSITE** | 0.0001 | 0.0001 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.1057 | 0.0000 | 0.0000 | 0.1057 |

Road Construction Emissions Modeling - 2020

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sub-Phase | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Grubbing/Land Clearing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0243 | 0.0000 | 0.0243 | 0.0051 | 0.0000 | 0.0051 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Grading/Excavation | 0.0110 | 0.0621 | 0.1656 | 0.0003 | 0.1094 | 0.0024 | 0.1118 | 0.0227 | 0.0019 | 0.0247 | 29.4083 | 0.0036 | 0.0015 | 29.9494 |
| Drainage/Utilities/Sub-Gra | 0.0083 | 0.0471 | 0.0669 | 0.0001 | 0.0729 | 0.0022 | 0.0751 | 0.0152 | 0.0019 | 0.0171 | 11.6106 | 0.0017 | 0.0007 | 11.8531 |
| Paving | 0.0062 | 0.0470 | 0.0716 | 0.0002 | 0.0000 | 0.0018 | 0.0018 | 0.0000 | 0.0014 | 0.0014 | 16.3726 | 0.0027 | 0.0012 | 16.8112 |
| Total | 0.0255 | 0.1562 | 0.3041 | 0.0007 | 0.2066 | 0.0064 | 0.2129 | 0.0430 | 0.0053 | 0.0482 | 57.3914 | 0.0080 | 0.0034 | 58.6137 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0184 | 0.0690 | 0.2763 | 0.0004 | 0.2066 | 0.0033 | 0.2098 | 0.0430 | 0.0032 | 0.0461 | 35.2126 | 0.0076 | 0.0003 | 35.4922 |
| **TOTAL OFFSITE** | 0.0071 | 0.0872 | 0.0279 | 0.0002 | 0.0000 | 0.0031 | 0.0031 | 0.0000 | 0.0021 | 0.0021 | 22.1789 | 0.0004 | 0.0031 | 58.6137 |

Building Construction - 2020

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0626 | 0.2802 | 1.7730 | 0.0027 | | 0.0125 | 0.0125 | | 0.0125 | 0.0125 | 231.6097 | 0.0565 | 0.0000 | 233.0222 |
| 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 | 0.0347 | 1.0282 | 0.3448 | 0.0022 | 0.0526 | 0.0059 | 0.0585 | 0.0152 | 0.0056 | 0.0208 | 206.2121 | 0.0042 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 0.0016 | 0.1606 | 0.0013 | 0.1619 | 0.0427 | 0.0012 | 0.0439 | 143.7970 | 0.0046 | 0.0000 | 143.9118 |
| Total | 0.1989 | 1.3713 | 2.7910 | 0.0065 | 0.2132 | 0.0197 | 0.2329 | 0.0579 | 0.0193 | 0.0772 | 581.6188 | 0.0653 | 0.0000 | 583.2518 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0626 | 0.2802 | 1.7730 | 0.0027 | 0.0000 | 0.0125 | 0.0125 | 0.0000 | 0.0125 | 0.0125 | 231.6097 | 0.0565 | 0.0000 | 233.0222 |
| **TOTAL OFFSITE** | 0.1363 | 1.0911 | 1.0180 | 0.0038 | 0.2132 | 0.0072 | 0.2204 | 0.0579 | 0.0068 | 0.0647 | 350.0091 | 0.0088 | 0.0000 | 350.2296 |

Building Construction - 2021

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0293 | 0.1370 | 0.8841 | 0.0014 | | 0.0056 | 0.0056 | | 0.0056 | 0.0056 | 115.8185 | 0.0279 | 0.0000 | 116.5160 |
| 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 | 0.0141 | 0.4680 | 0.1539 | 0.0011 | 0.0263 | 0.0014 | 0.0277 | 0.0076 | 0.0014 | 0.0090 | 102.3962 | 0.0018 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 0.0008 | 0.0803 | 0.0006 | 0.0809 | 0.0214 | 0.0006 | 0.0219 | 69.4587 | 0.0021 | 0.0000 | 69.5100 |
| Total | 0.0912 | 0.6333 | 1.3444 | 0.0032 | 0.1066 | 0.0076 | 0.1142 | 0.0290 | 0.0075 | 0.0365 | 287.6734 | 0.0318 | 0.0000 | 288.4682 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0293 | 0.1370 | 0.8841 | 0.0014 | 0.0000 | 0.0056 | 0.0056 | 0.0000 | 0.0056 | 0.0056 | 115.8185 | 0.0279 | 0.0000 | 116.5160 |
| **TOTAL OFFSITE** | 0.0619 | 0.4963 | 0.4603 | 0.0019 | 0.1066 | 0.0020 | 0.1086 | 0.0290 | 0.0019 | 0.0309 | 171.8549 | 0.0039 | 0.0000 | 171.9522 |

Paving - 2021

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0028 | 0.0122 | 0.1730 | 0.0002 | | 0.0004 | 0.0004 | | 0.0004 | 0.0004 | 20.0235 | 0.0065 | 0.0000 | 20.1855 |
| Paving | 0.0093 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 | 0.0007 | 0.0004 | 0.0045 | 0.0000 | 0.0012 | 0.0000 | 0.0012 | 0.0003 | 0.0000 | 0.0003 | 1.0215 | 0.0000 | 0.0000 | 1.0223 |
| Total | 0.0128 | 0.0126 | 0.1775 | 0.0002 | 0.0012 | 0.0004 | 0.0016 | 0.0003 | 0.0004 | 0.0007 | 21.0450 | 0.0065 | 0.0000 | 21.2078 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0121 | 0.0122 | 0.1730 | 0.0002 | 0.0000 | 0.0004 | 0.0004 | 0.0000 | 0.0004 | 0.0004 | 20.0235 | 0.0065 | 0.0000 | 20.1855 |
| **TOTAL OFFSITE** | 0.0100 | 0.0004 | 0.0045 | 0.0000 | 0.0012 | 0.0000 | 0.0012 | 0.0003 | 0.0000 | 0.0003 | 1.0215 | 0.0000 | 0.0000 | 1.0223 |

Architectural Coating - 2021

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 1.2364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0003 | 0.0013 | 0.0183 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.5533 | 0.0002 | 0.0000 | 2.5578 |
| 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 | 0.0019 | 0.0011 | 0.0123 | 0.0000 | 0.0032 | 0.0000 | 0.0033 | 0.0009 | 0.0000 | 0.0009 | 2.7920 | 0.0001 | 0.0000 | 2.7940 |
| Total | 1.2386 | 0.0024 | 0.0306 | 0.0001 | 0.0032 | 0.0001 | 0.0033 | 0.0009 | 0.0001 | 0.0009 | 5.3453 | 0.0003 | 0.0000 | 5.3518 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 1.2367 | 0.0013 | 0.0183 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.5533 | 0.0002 | 0.0000 | 2.5578 |
| **TOTAL OFFSITE** | 0.0019 | 0.0011 | 0.0123 | 0.0000 | 0.0032 | 0.0000 | 0.0033 | 0.0009 | 0.0000 | 0.0009 | 2.7920 | 0.0001 | 0.0000 | 2.7940 |

**PHASE 2**

Building Construction - 2021

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0957 | 0.4658 | 1.3495 | 0.0022 | | 0.0215 | 0.0215 | | 0.0215 | 0.0215 | 179.6162 | 0.0353 | 0.0000 | 180.4987 |
| 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 | 0.0015 | 0.0500 | 0.0164 | 0.0001 | 0.0028 | 0.0002 | 0.0030 | 0.0008 | 0.0001 | 0.0010 | 10.9349 | 0.0002 | 0.0000 | 10.9399 |
| Worker | 0.0041 | 0.0024 | 0.0260 | 0.0001 | 0.0068 | 0.0001 | 0.0069 | 0.0018 | 0.0001 | 0.0019 | 5.8904 | 0.0002 | 0.0000 | 5.8947 |
| Total | 0.1013 | 0.5182 | 1.3919 | 0.0024 | 0.0096 | 0.0217 | 0.0313 | 0.0026 | 0.0217 | 0.0243 | 196.4415 | 0.0357 | 0.0000 | 197.3333 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0957 | 0.4658 | 1.3495 | 0.0022 | 0.0000 | 0.0215 | 0.0215 | 0.0000 | 0.0215 | 0.0215 | 179.6162 | 0.0353 | 0.0000 | 180.4987 |
| **TOTAL OFFSITE** | 0.0056 | 0.0524 | 0.0424 | 0.0002 | 0.0096 | 0.0002 | 0.0098 | 0.0026 | 0.0002 | 0.0028 | 16.8253 | 0.0004 | 0.0000 | 16.8346 |

Building Construction - 2022

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0242 | 0.1233 | 0.3650 | 0.0006 | | 0.0051 | 0.0051 | | 0.0051 | 0.0051 | 48.8048 | 0.0094 | 0.0000 | 49.0403 |
| 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 | 0.0004 | 0.0129 | 0.0042 | 0.0000 | 0.0008 | 0.0000 | 0.0008 | 0.0002 | 0.0000 | 0.0003 | 2.9492 | 0.0001 | 0.0000 | 2.9505 |
| Worker | 0.0010 | 0.0006 | 0.0065 | 0.0000 | 0.0019 | 0.0000 | 0.0019 | 0.0005 | 0.0000 | 0.0005 | 1.5435 | 0.0000 | 0.0000 | 1.5445 |
| Total | 0.0256 | 0.1368 | 0.3757 | 0.0006 | 0.0026 | 0.0052 | 0.0078 | 0.0007 | 0.0052 | 0.0059 | 53.2975 | 0.0095 | 0.0000 | 53.5353 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0242 | 0.1233 | 0.3650 | 0.0006 | 0.0000 | 0.0051 | 0.0051 | 0.0000 | 0.0051 | 0.0051 | 48.8048 | 0.0094 | 0.0000 | 49.0403 |
| **TOTAL OFFSITE** | 0.0014 | 0.0135 | 0.0107 | 0.0001 | 0.0026 | 0.0001 | 0.0027 | 0.0007 | 0.0000 | 0.0008 | 4.4927 | 0.0001 | 0.0000 | 4.4950 |

Architectural Coating - 2022

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0002 | 0.0006 | 0.0092 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.2766 | 0.0001 | 0.0000 | 1.2786 |
| 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 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| Total | 0.3396 | 0.0007 | 0.0094 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 1.3423 | 0.0001 | 0.0000 | 1.3443 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.3396 | 0.0006 | 0.0092 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.2766 | 0.0001 | 0.0000 | 1.2786 |
| **TOTAL OFFSITE** | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |

**PHASE 3**

Building Construction - 2022

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0070 | 0.0303 | 0.3863 | 0.0006 | | 0.0009 | 0.0009 | | 0.0009 | 0.0009 | 50.0738 | 0.0162 | 0.0000 | 50.4788 |
| 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 | 0.0007 | 0.0219 | 0.0072 | 0.0001 | 0.0013 | 0.0001 | 0.0014 | 0.0004 | 0.0001 | 0.0004 | 5.0198 | 0.0001 | 0.0000 | 5.0218 |
| Worker | 0.0016 | 0.0009 | 0.0096 | 0.0000 | 0.0028 | 0.0000 | 0.0028 | 0.0007 | 0.0000 | 0.0008 | 2.2988 | 0.0001 | 0.0000 | 2.3003 |
| Total | 0.0092 | 0.0531 | 0.4031 | 0.0007 | 0.0041 | 0.0010 | 0.0051 | 0.0011 | 0.0010 | 0.0021 | 57.3924 | 0.0163 | 0.0000 | 57.8009 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0070 | 0.0303 | 0.3863 | 0.0006 | 0.0000 | 0.0009 | 0.0009 | 0.0000 | 0.0009 | 0.0009 | 50.0738 | 0.0162 | 0.0000 | 50.4788 |
| **TOTAL OFFSITE** | 0.0022 | 0.0228 | 0.0168 | 0.0001 | 0.0041 | 0.0001 | 0.0041 | 0.0011 | 0.0001 | 0.0012 | 7.3186 | 0.0001 | 0.0000 | 7.3221 |

Architectural Coating - 2022

**Mitigated Construction**

| | tons/yr | | | | | | | | | | MT/yr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2 | CH4 | N2O | CO2e |
| Arch. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0001 | 0.0003 | 0.0046 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.6383 | 0.0000 | 0.0000 | 0.6393 |
| 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 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| Total | 0.2584 | 0.0003 | 0.0047 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.6547 | 0.0000 | 0.0000 | 0.6557 |
| | | | | | | | | | | | | | | |
| **TOTAL ONSITE** | 0.2584 | 0.0003 | 0.0046 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.6383 | 0.0000 | 0.0000 | 0.6393 |
| **TOTAL OFFSITE** | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |

## Max Daily Emissions Summary - Construction with Mitigation: Tier 4 engine for equipment >50hp

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| **Max Daily** | 124.07 | 91.18 | 76.32 | 0.21 | 30.44 | 3.06 | 33.50 | 9.38 | 2.83 | 12.22 |

| Max Daily by Year | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2020** | 4.73 | 49.99 | 76.32 | 0.21 | 15.48 | 0.97 | 16.45 | 5.49 | 0.88 | 6.37 | 0.00 | 17669.47 |
| **2021** | 124.07 | 91.18 | 62.78 | 0.18 | 30.44 | 3.06 | 33.50 | 9.38 | 2.83 | 12.22 | 0.00 | 17543.57 |
| **2022** | 103.34 | 5.81 | 16.00 | 0.03 | 0.12 | 0.22 | 0.34 | 0.03 | 0.22 | 0.25 | | |

**Construction Schedule Assumptions**

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Simultaneous Construction Activity within Phase | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | x | | | | | |
| 1 | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | | x | x | x | x | x |
| 1 | Trenching (on-site) | 5/1/2020 | 5/12/2020 | 6 | 10 | | | x | | | |
| 1 | Trenching (off-site) | 5/1/2020 | 8/1/2020 | 6 | 80 | | | x | x | | |
| 1 | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | | | | x | | |
| 1 | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | | | | | x | |
| 1 | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | | | | | | x |

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Site Prep | Grading | Trenching | BC | Paving | AC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | | | | x | | |
| 2 | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | | | | | | x |

| Phase Number | Construction Activity | Start Date | End Date | Num Days Week | Num Days | Site Prep | Grading | Trenching | BC | Paving | AC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | | | | x | | |
| 3 | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | | | | | | x |

**FOR HEALTH RISK ASSESSMENT - Mitigated Run**

| | | Max Hourly Emissions lb/hour | |
|---|---|---|---|
| HRA Emissions Source | Max Construction Activity/ies | Exhaust PM10 | Exhaust PM2.5 |
| Main Construction Area | On-Site Grading + Building Construction Activity in 2020 | 0.0283 | 0.0283 |
| Off-Site Vehicle Trips | Off-Site Grading + Building Construction + Trenching Vehicle Trips in 2020 | 0.0187 | 0.0178 |
| Off-Site Sewer Pipeline Installation | Off-Site Trenching (w/o vehicle trips) | 0.0744 | 0.0639 |

**SUMMARY OF MODELING RESULTS**

**PHASE 1**

Site Preparation - 2020

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 |
| Off-Road | 0.4656 | 2.0175 | 20.8690 | 0.0380 | | 0.0621 | 0.0621 | | 0.0621 | 0.0621 |
| Hauling | 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 |
| Worker | 0.0976 | 0.0486 | 0.6443 | 0.0015 | 0.1479 | 0.0011 | 0.1490 | 0.0392 | 0.0010 | 0.0403 |
| Total | 0.5632 | 2.0661 | 21.5133 | 0.0395 | 18.2142 | 0.0632 | 18.2774 | 9.9699 | 0.0631 | 10.0331 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL ONSITE** | 0.4656 | 2.0175 | 20.8690 | 0.0380 | 18.0663 | 0.0621 | 18.1284 | 9.9307 | 0.0621 | 9.9928 |
| **TOTAL OFFSITE** | 0.0976 | 0.0486 | 0.6443 | 0.0015 | 0.1479 | 0.0011 | 0.1490 | 0.0392 | 0.0010 | 0.0403 |

**PHASE 1**

Grading - 2020

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0620 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 |
| Hauling | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.1084 | 0.0540 | 0.7159 | 0.0017 | 0.1643 | 0.0013 | 0.1655 | 0.0436 | 0.0012 | 0.0447 |
| Total | 1.3666 | 22.3695 | 39.1795 | 0.1109 | 7.2611 | 0.1801 | 7.4412 | 3.6371 | 0.1767 | 3.8136 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.7616 | 3.3000 | 32.9991 | 0.0620 | 6.0787 | 0.1015 | 6.1802 | 3.3163 | 0.1015 | 3.4178 |
| **TOTAL OFFSITE** | 0.6050 | 19.0695 | 6.1804 | 0.0489 | 1.1824 | 0.0786 | 1.2610 | 0.3208 | 0.0752 | 0.3958 |

Grading - 2021

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0620 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 |
| Hauling | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.1021 | 0.0486 | 0.6541 | 0.0016 | 0.1643 | 0.0012 | 0.1655 | 0.0436 | 0.0011 | 0.0447 |
| Total | 1.3348 | 20.9904 | 38.7789 | 0.1103 | 28.2218 | 0.1728 | 28.3946 | 8.7820 | 0.1696 | 8.9516 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.7616 | 3.3000 | 32.9991 | 0.0620 | 6.0787 | 0.1015 | 6.1802 | 3.3163 | 0.1015 | 3.4178 |
| **TOTAL OFFSITE** | 0.5732 | 17.6904 | 5.7798 | 0.0483 | 22.1431 | 0.0713 | 22.2144 | 5.4657 | 0.0681 | 5.5338 |

Trenching (On-site) - 2020

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.0413 | 0.1788 | 2.5450 | 0.0034 | | 0.0055 | 0.0055 | | 0.0055 | 0.0055 |
| Hauling | 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 |
| Worker | 0.0163 | 0.0081 | 0.1074 | 0.0003 | 0.0246 | 0.0002 | 0.0248 | 0.0065 | 0.0002 | 0.0067 |
| Total | 0.0576 | 0.1869 | 2.6524 | 0.0036 | 0.0246 | 0.0057 | 0.0303 | 0.0065 | 0.0057 | 0.0122 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.0413 | 0.1788 | 2.5450 | 0.0034 | 0.0000 | 0.0055 | 0.0055 | 0.0000 | 0.0055 | 0.0055 |
| **TOTAL OFFSITE** | 0.0163 | 0.0081 | 0.1074 | 0.0003 | 0.0246 | 0.0002 | 0.0248 | 0.0065 | 0.0002 | 0.0067 |

Trenching (Off-site) - Road Construction Emissions Modeling - 2020

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sub-Phase (occuring at separate times) | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Grubbing/Land Clearing | 0.0000 | 0.0000 | 0.0000 | 1.2480 | 6.0000 | 0.0000 | 6.0000 | 1.2480 | 0.0000 | 1.2480 |
| Grading/Excavation | 0.6023 | 3.4054 | 9.0856 | 1.3550 | 6.0000 | 0.1342 | 6.1342 | 1.2480 | 0.1070 | 1.3550 |
| Drainage/Utilities/Sub-Grade | 0.6861 | 3.8790 | 5.5066 | 1.4073 | 6.0000 | 0.1787 | 6.1787 | 1.2480 | 0.1593 | 1.4073 |
| Paving | 1.0196 | 7.7338 | 11.7898 | 0.2277 | 0.0000 | 0.2881 | 0.2881 | 0.0000 | 0.2277 | 0.2277 |
| Max | 1.2920 | 14.2104 | 8.8880 | 0.0302 | 6.0000 | 0.5949 | 6.5949 | 1.2480 | 0.5109 | 1.7589 |

Building Construction - 2020

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.6261 | 2.8021 | 17.7304 | 0.0269 | | 0.1248 | 0.1248 | | 0.1248 | 0.1248 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 |
| Total | 2.0721 | 13.4056 | 28.2563 | 0.0661 | 2.2208 | 0.1959 | 2.4166 | 0.6011 | 0.1923 | 0.7935 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.6261 | 2.8021 | 17.7304 | 0.0269 | 0.0000 | 0.1248 | 0.1248 | 0.0000 | 0.1248 | 0.1248 |
| **TOTAL OFFSITE** | 1.4460 | 10.6035 | 10.5259 | 0.0392 | 2.2208 | 0.0711 | 2.2918 | 0.6011 | 0.0675 | 0.6687 |

**PHASE 1**

Building Construction - 2021

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.5867 | 2.7396 | 17.6822 | 0.0269 | | 0.1120 | 0.1120 | | 0.1120 | 0.1120 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 |
| Total | 1.9046 | 12.4002 | 27.2285 | 0.0654 | 2.2208 | 0.1521 | 2.3729 | 0.6011 | 0.1499 | 0.7511 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 0.5867 | 2.7396 | 17.6822 | 0.0269 | 0.0000 | 0.1120 | 0.1120 | 0.0000 | 0.1120 | 0.1120 |
| **TOTAL OFFSITE** | 1.3179 | 9.6606 | 9.5463 | 0.0385 | 2.2208 | 0.0401 | 2.2609 | 0.6011 | 0.0379 | 0.6391 |

Paving - 2021

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Hauling | 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 |
| Worker | 0.0766 | 0.0364 | 0.4905 | 0.0012 | 0.1232 | 0.0009 | 0.1241 | 0.0327 | 0.0008 | 0.0335 |
| Total | 1.2885 | 1.2518 | 17.7862 | 0.0240 | 0.1232 | 0.0383 | 0.1615 | 0.0327 | 0.0382 | 0.0709 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 1.2119 | 1.2154 | 17.2957 | 0.0228 | 0.0000 | 0.0374 | 0.0374 | 0.0000 | 0.0374 | 0.0374 |
| **TOTAL OFFSITE** | 1.0080 | 0.0364 | 0.4905 | 0.0012 | 0.1232 | 0.0009 | 0.1241 | 0.0327 | 0.0008 | 0.0335 |

Architectural Coating - 2021

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 1.24E+02 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 0.0030 | | 0.0040 | 0.0040 | | 0.0040 | 0.0040 |
| Hauling | 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 |
| Worker | 0.2093 | 0.0995 | 1.3408 | 0.0034 | 0.3368 | 0.0025 | 0.3393 | 0.0893 | 0.0023 | 0.0916 |
| Total | 123.8828 | 0.2283 | 3.1732 | 0.0063 | 0.3368 | 0.0064 | 0.3433 | 0.0893 | 0.0062 | 0.0956 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 123.6735 | 0.1288 | 1.8324 | 0.0030 | 0.0000 | 0.0040 | 0.0040 | 0.0000 | 0.0040 | 0.0040 |
| **TOTAL OFFSITE** | 0.2093 | 0.0995 | 1.3408 | 0.0034 | 0.3368 | 0.0025 | 0.3393 | 0.0893 | 0.0023 | 0.0916 |

**PHASE 2**

Building Construction - 2021

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 1.1061 | 5.3852 | 15.6014 | 0.0250 | | 0.2488 | 0.2488 | | 0.2488 | 0.2488 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0171 | 0.5658 | 0.1775 | 0.0013 | 0.0336 | 0.0017 | 0.0354 | 0.0097 | 0.0016 | 0.0113 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 0.0008 | 0.0822 | 0.0006 | 0.0828 | 0.0218 | 0.0006 | 0.0223 |
| Total | 1.1742 | 5.9753 | 16.1059 | 0.0272 | 0.1158 | 0.2511 | 0.3670 | 0.0315 | 0.2510 | 0.2824 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 1.1061 | 5.3852 | 15.6014 | 0.0250 | 0.0000 | 0.2488 | 0.2488 | 0.0000 | 0.2488 | 0.2488 |
| **TOTAL OFFSITE** | 0.0681 | 0.5901 | 0.5045 | 0.0022 | 0.1158 | 0.0023 | 0.1182 | 0.0315 | 0.0022 | 0.0336 |

Building Construction - 2022

**Mitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | 1.0283 | 5.2472 | 15.5324 | 0.0250 | | 0.2181 | 0.2181 | | 0.2181 | 0.2181 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0160 | 0.5364 | 0.1671 | 0.0013 | 0.0336 | 0.0015 | 0.0352 | 0.0097 | 0.0015 | 0.0111 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 0.0008 | 0.0822 | 0.0006 | 0.0827 | 0.0218 | 0.0005 | 0.0223 |
| Total | 1.0925 | 5.8055 | 15.9999 | 0.0271 | 0.1158 | 0.2202 | 0.3360 | 0.0315 | 0.2201 | 0.2515 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 1.0283 | 5.2472 | 15.5324 | 0.0250 | 0.0000 | 0.2181 | 0.2181 | 0.0000 | 0.2181 | 0.2181 |
| **TOTAL OFFSITE** | 0.0642 | 0.5583 | 0.4675 | 0.0021 | 0.1158 | 0.0021 | 0.1179 | 0.0315 | 0.0020 | 0.0334 |

Architectural Coating - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 67.8749 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 0.0030 | | 0.0040 | 0.0040 | | 0.0040 | 0.0040 |
| Hauling | 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 |
| Worker | 0.0096 | 0.0044 | 0.0601 | 0.0002 | 0.0164 | 0.0001 | 0.0166 | 0.0044 | 0.0001 | 0.0045 |
| Total | 67.9142 | 0.1332 | 1.8925 | 0.0031 | 0.0164 | 0.0041 | 0.0206 | 0.0044 | 0.0041 | 0.0084 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 67.9046 | 0.1288 | 1.8324 | 0.0030 | 0.0000 | 0.0040 | 0.0040 | 0.0000 | 0.0040 | 0.0040 |
| **TOTAL OFFSITE** | 0.0096 | 0.0044 | 0.0601 | 0.0002 | 0.0164 | 0.0001 | 0.0166 | 0.0044 | 0.0001 | 0.0045 |

**PHASE 3**

Building Construction - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Off-Road | -0.6207 | -8.4612 | 8.3509 | 0.0114 | | -0.4917 | -0.4917 | | -0.4485 | -0.4485 |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0128 | 0.4291 | 0.1337 | 0.0011 | 0.0269 | 0.0012 | 0.0281 | 0.0077 | 0.0012 | 0.0089 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 0.0006 | 0.0575 | 0.0004 | 0.0579 | 0.0153 | 0.0004 | 0.0156 |
| Total | -0.5742 | -8.0168 | 8.6949 | 0.0130 | 0.0844 | -0.4901 | -0.4057 | 0.0230 | -0.4470 | -0.4240 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | -0.6207 | -8.4612 | 8.3509 | 0.0114 | 0.0000 | -0.4917 | -0.4917 | 0.0000 | -0.4485 | -0.4485 |
| **TOTAL OFFSITE** | 0.0465 | 0.4444 | 0.3440 | 0.0016 | 0.0844 | 0.0016 | 0.0860 | 0.0230 | 0.0015 | 0.0245 |

Architectural Coating - 2022

**Unmitigated Construction**

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| Arch. Coating | 103.3049 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 0.0030 | | 0.0040 | 0.0040 | | 0.0040 | 0.0040 |
| Hauling | 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 |
| Worker | 0.0048 | 0.0022 | 0.0300 | 0.0001 | 0.0082 | 0.0001 | 0.0083 | 0.0022 | 0.0001 | 0.0022 |
| Total | 103.3394 | 0.1310 | 1.8624 | 0.0031 | 0.0082 | 0.0040 | 0.0122 | 0.0022 | 0.0040 | 0.0062 |
| | | | | | | | | | | |
| **TOTAL ONSITE** | 103.3346 | 0.1288 | 1.8324 | 0.0030 | 0.0000 | 0.0040 | 0.0040 | 0.0000 | 0.0040 | 0.0040 |
| **TOTAL OFFSITE** | 0.0048 | 0.0022 | 0.0300 | 0.0001 | 0.0082 | 0.0001 | 0.0083 | 0.0022 | 0.0001 | 0.0022 |

**Average Daily Emissions Summary - Construction with Mitigation: Tier 4 engine for equipment >50hp**

**Construction Schedule**

| | Start Date | End Date | Working Days (6 Days per week) | Hours per Day |
|---|---|---|---|---|
| Total Working Days | 1/1/2020 | 7/8/2022 | 789 | 8 |

| | lb/day | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
| **Average Daily Emissions (Calculated from total construction emissions)** | 6.34 | 16.32 | 32.58 | 0.08 | 4.28 | 0.22 | 4.50 | 1.88 | 0.22 | 2.10 |
| **EDCAQMD Threshold** | 82 | 82 | NA | NA | NA | NA | NA | NA | NA | NA |
| **Exceeds Threshold** | No | No | NA | NA | NA | NA | NA | NA | NA | NA |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Onsite** | 5.59 | 4.18 | 26.75 | 0.05 | 3.20 | 0.17 | 3.37 | 1.56 | 0.17 | 1.73 |
| **Total Offsite** | 0.82 | 12.31 | 6.53 | 0.04 | 1.60 | 0.06 | 1.66 | 0.43 | 0.06 | 0.49 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total 2020** | 1.10 | 12.75 | 23.27 | 0.06 | 4.08 | 0.14 | 4.21 | 1.78 | 0.13 | 1.91 |
| **Total 2021** | 3.68 | 3.26 | 8.01 | 0.02 | 0.71 | 0.08 | 0.78 | 0.20 | 0.08 | 0.28 |
| **Total 2022** | 1.60 | 0.48 | 2.01 | 0.00 | 0.02 | 0.02 | 0.03 | 0.00 | 0.02 | 0.02 |

## Criteria Air Pollutant Emissions Summary - Operations 2023 - Annual Emissions

Proprosed Project - Total Annual Emission 2023 (tons/yr)

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Area | 0.7887 | 5.00E-05 | 5.55E-03 | 0.00E+00 | | 2.00E-05 | 2.00E-05 | | 2.00E-05 | 2.00E-05 |
| Energy | 1.87E-02 | 0.1702 | 0.1429 | 1.02E-03 | | 1.29E-02 | 1.29E-02 | | 1.29E-02 | 1.29E-02 |
| Mobile | 1.0662 | 2.747 | 9.4042 | 2.31E-02 | 2.0597 | 2.35E-02 | 2.0833 | 0.5522 | 2.20E-02 | 0.5742 |
| Stationary | 3.80E-04 | 1.08E-03 | 9.80E-04 | 0 | | 6.00E-05 | 6.00E-05 | | 6.00E-05 | 6.00E-05 |
| Waste Generation | | | | | | 0 | 0 | | 0 | 0 |
| Water/Wastewater | | | | | | 0.00 | 0.00 | | 0.00 | 0.00 |
| Total | 1.87 | 2.92 | 9.55 | 0.02 | 2.06 | 0.04 | 2.10 | 0.55 | 0.03 | 0.59 |

## Criteria Air Pollutant Emissions Summary - Operations 2023 - Daily Emissions

Proprosed Project - Daily Emission (lb/day)

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Area | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Energy | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobile | 6 | 15 | 52 | 0 | 11 | 0 | 11 | 3 | 0 | 3 |
| Stationary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waste Generation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water/Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 16 | 52 | 0 | 11 | 0 | 11 | 3 | 0 | 3 |
| | | | | | | | | | | |
| EDCAQMD Threshold (Daily) | 82 | 82 | NA | NA | NA | NA | NA | NA | NA | NA |
| Exceeds Threshold | No | No | NA | NA | NA | NA | NA | NA | NA | NA |

Note: Annual emissions divided by 365 days/year to obtain average daily emissions.

## Greenhouse Gas Emissions Summary - Operations 2023

Proposed Project - 2023 (MT/yr)

| | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | Percent of Total |
|---|---|---|---|---|---|---|---|
| Area | 0 | 1.08E-02 | 1.08E-02 | 3.00E-05 | 0 | 0.01 | 0% |
| Electricity | 0 | 0.00 | 678.53 | 3.07E-02 | 6.34E-03 | 681.19 | 24% |
| Natural Gas | 0 | 185.24 | 185.24 | 3.55E-03 | 3.41E-03 | 186.34 | 7% |
| Mobile | 0 | 2,097.82 | 2,097.82 | 7.47E-02 | 0 | 2,099.69 | 74% |
| Stationary | 0 | 0.1786 | 0.1786 | 3.00E-05 | 0 | 0.18 | 0% |
| Waste Generation | 88.8816 | 0 | 88.8816 | 5.25E+00 | 0.00E+00 | 220.20 | 8% |
| Water/Wastewater | 2 | 10 | 12 | 0 | 0 | 13.63 | 0% |
| Vegetation Sequestration | - | - | - | - | - | -358.96 | -13% |
| Total | 91.0387 | 2293.1056 | 3062.679 | 5.36968 | 0.01453 | 2,842.29 | 100% |

Proposed Project - 2023 (MT/yr) With Mitigation

| | Reductions CO2e | Mitigated Emissions CO2e |
|---|---|---|
| Area | 0.00 | 0.01 |
| Electricity | 681.19 | 0.00 |
| Natural Gas | 18.79 | 167.55 |
| Mobile | 379.00 | 1720.69 |
| Stationary | 0.00 | 0.18 |
| Waste Generation | 0.00 | 220.20 |
| Water/Wastewater | 0.00 | 13.63 |
| Vegetation Sequestration | 0.00 | -358.96 |
| Purchased Offsets | 1763.3083 | -1763.31 |
| Total | 2842.29 | 0.00 |

## Calculated Trip Rate

| | | | Weekday | | | | | Saturday | | | | | Sunday | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vehicle Trips Land Use Sub Type | Vehicle Trips Land Use Size Metric | Land Use Unit Amount | CalEEMod Default Trip Rate | ADT | Portion of Total Trips | Adjusted ADT | **Adjusted Trip Rate** | CalEEMod Default Trip Rate | ADT | Portion of Total Trips | Adjusted ADT | **Adjusted Trip Rate** | CalEEMod Default | ADT | Portion of Total Trips | Adjusted ADT | **Adjusted Trip Rate** |
| Arena | 1000sqft | 5.5 | 10.71 | 58.91 | 1% | 28.89 | **5.25** | 10.71 | 58.91 | 0% | 20.65 | **3.76** | 10.71 | 58.91 | 1% | 25.55 | **4.65** |
| City Park | Acre | 2.9 | 1.89 | 5.48 | 0% | 2.69 | **0.93** | 22.75 | 65.98 | 1% | 23.13 | **7.98** | 16.74 | 48.55 | 0% | 21.06 | **7.26** |
| Fast Food Restaurant with Drive Thru | 1000sqft | 3.67 | 496.12 | 1820.76 | 20% | 893.11 | **243.35** | 722.03 | 2649.85 | 21% | 929.15 | **253.17** | 542.72 | 1991.78 | 20% | 863.99 | **235.42** |
| General Office Building | 1000sqft | 18.19 | 11.03 | 200.64 | 2% | 98.41 | **5.41** | 2.46 | 44.75 | 0% | 15.69 | **0.86** | 1.05 | 19.10 | 0% | 8.28 | **0.46** |
| High Turnover (Sit Down Restaurant) | 1000sqft | 9.91 | 127.15 | 1260.06 | 14% | 618.08 | **62.37** | 158.37 | 1569.45 | 13% | 550.31 | **55.53** | 131.84 | 1306.53 | 13% | 566.75 | **57.19** |
| Hotel | Room | 100 | 8.17 | 817.00 | 9% | 400.75 | **4.01** | 8.19 | 819.00 | 7% | 287.18 | **2.87** | 5.95 | 595.00 | 6% | 258.10 | **2.58** |
| Other Asphalt Surfaces | 1000sqft | 206.97 | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** |
| Other Non-Asphalt Surfaces | 1000sqft | 89.29 | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** |
| Parking Lot | 1000sqft | 102.89 | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** | 0.00 | 0.00 | 0% | 0.00 | **0.00** |
| Quality Restaurant | 1000sqft | 3.5 | 89.95 | 314.83 | 4% | 154.43 | **44.12** | 94.36 | 330.26 | 3% | 115.80 | **33.09** | 72.16 | 252.56 | 3% | 109.55 | **31.30** |
| Regional Shopping Center | 1000sqft | 31.78 | 42.70 | 1357.01 | 15% | 665.63 | **20.95** | 49.97 | 1588.05 | 13% | 556.84 | **17.52** | 25.24 | 802.13 | 8% | 347.94 | **10.95** |
| Supermarket | 1000sqft | 29.97 | 102.24 | 3064.13 | 34% | 1503.00 | **50.15** | 177.59 | 5322.37 | 43% | 1866.25 | **62.27** | 166.44 | 4988.21 | 50% | 2163.77 | **72.20** |
| | | | | 8898.80 | | 4365.00 | | | 12448.60 | | 4365.00 | | | 10062.76 | | 4365.00 | |

**Kimly-Horn Traffic Study ADT** **4,365**

## Project Energy Use and Solar Calculation

### Default Electricity Usage Rates by Land Use Type

| CalEEMod Land Use Type | Electricity Use (kWh/year) | |
|---|---|---|
| Arena | 22,517 | |
| City Park | 0 | |
| Fast Food Restaurant with Drive Thru | 85,768 | |
| General Office Building | 146,514 | |
| General Office Building | 34,899 | |
| High Turnover (Sit Down Restaurant) | 231,527 | |
| Hotel | 308,704 | |
| Other Asphalt Surfaces | 0 | |
| Other Non- Asphalt Surfaces | 0 | |
| Parking Lot | 36,012 | |
| Quality Restaurant | 81,795 | |
| Regional Shopping Center | 381,852 | |
| Supermarket | 1,002,860 | |
| TOTAL | 2,332,447 | kwh/yr |
| | 6,390 | kwh/day |

| Solar PV Calculation | | Source |
|---|---|---|
| Required Solar Electricity Generation (MWh/year) | 2,332.45 | Calculated |
| Matching PV rating (kW) from NREL PV Calculator for El Dorado Hills | 1,480 | Calculated |
| sq meter of PV per kW | 1 | Assumption in PV Watts Calculator |
| sqft per sq meter | 10.76 | Conversion |
| Module efficiency | 16% | Assumption in PV Watts Calculator |
| PV area needed (sf) | 99,566 | Calculated |
| Tilt Degree | 20 | Assumption in PV Watts Calculator |
| Footprint of PV area needed (sqft) | 93,562 | Calculated |

Source: http://pvwatts.nrel.gov/pvwatts.php

## GHG Emission Assumptions

| Category | Value | Notes | Source |
|---|---|---|---|
| | | | |
| **GWP** | | | |
| CO2 | 1 | | |
| CH4 | 25 | IPCC Fourth Assessment Report | Consistent with CARB GHG Inventory Assumptions |
| N2O | 298 | IPCC Fourth Assessment Report | Consistent with CARB GHG Inventory Assumptions |

# CalEEMod Outputs

# Montano - Construction Phase 1

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 4.71 | 1000sqft | 0.11 | 4,710.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 4.34 | 1000sqft | 0.10 | 4,340.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel acreage based on 4-story building

Construction Phase - Adjusted grading phasing to one year

Off-road Equipment -

Off-road Equipment - No Demo

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added trenching equipment since defaults are not provided

Grading - Adjusted total acres graded

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 315.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 787.50 | 16.80 |
| tblGrading | MaterialExported | 0.00 | 140,000.00 |
| tblGrading | MaterialImported | 0.00 | 43,000.00 |
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

## 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 | | | | | |
| 2020 | 1.1391 | 13.8604 | 8.6329 | 0.0235 | 1.4016 | 0.4737 | 1.8753 | 0.6590 | 0.4388 | 1.0978 | 0.0000 | 2,127.4416 | 2,127.4416 | 0.3484 | 0.0000 | 2,136.1523 |
| 2021 | 1.4463 | 1.8694 | 1.6725 | 4.1000e-003 | 0.2691 | 0.0690 | 0.3381 | 0.0780 | 0.0646 | 0.1426 | 0.0000 | 369.0543 | 369.0543 | 0.0486 | 0.0000 | 370.2694 |
| **Maximum** | **1.4463** | **13.8604** | **8.6329** | **0.0235** | **1.4016** | **0.4737** | **1.8753** | **0.6590** | **0.4388** | **1.0978** | **0.0000** | **2,127.4416** | **2,127.4416** | **0.3484** | **0.0000** | **2,136.1523** |

### 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 | | | | | |
| 2020 | 1.1391 | 13.8604 | 8.6329 | 0.0235 | 1.4016 | 0.4737 | 1.8753 | 0.6590 | 0.4388 | 1.0978 | 0.0000 | 2,127.4403 | 2,127.4403 | 0.3484 | 0.0000 | 2,136.1511 |
| 2021 | 1.4463 | 1.8694 | 1.6725 | 4.1000e-003 | 0.2691 | 0.0690 | 0.3381 | 0.0780 | 0.0646 | 0.1426 | 0.0000 | 369.0541 | 369.0541 | 0.0486 | 0.0000 | 370.2691 |
| **Maximum** | **1.4463** | **13.8604** | **8.6329** | **0.0235** | **1.4016** | **0.4737** | **1.8753** | **0.6590** | **0.4388** | **1.0978** | **0.0000** | **2,127.4403** | **2,127.4403** | **0.3484** | **0.0000** | **2,136.1511** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **1-1-2020** | **3-31-2020** | 2.7593 | 2.7593 |
| **2** | **4-1-2020** | **6-30-2020** | 3.6208 | 3.6208 |
| **3** | **7-1-2020** | **9-30-2020** | 4.2456 | 4.2456 |
| **4** | **10-1-2020** | **12-31-2020** | 4.2878 | 4.2878 |
| **5** | **1-1-2021** | **3-31-2021** | 1.5692 | 1.5692 |
| **6** | **4-1-2021** | **6-30-2021** | 1.7398 | 1.7398 |
| | | **Highest** | 4.2878 | 4.2878 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Energy | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 689.3995 | 689.3995 | 0.0267 | 7.9800e-003 | 692.4449 |
| Mobile | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 67.6183 | 0.0000 | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4202 | 18.1964 | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| **Total** | **2.3548** | **4.7290** | **15.7353** | **0.0382** | **3.3111** | **0.0503** | **3.3614** | **0.8877** | **0.0477** | **0.9354** | **71.0385** | **4,099.2201** | **4,170.2586** | **4.4980** | **0.0164** | **4,287.6069** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Energy | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 689.3995 | 689.3995 | 0.0267 | 7.9800e-003 | 692.4449 |
| Mobile | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 67.6183 | 0.0000 | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4202 | 18.1964 | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| **Total** | **2.3548** | **4.7290** | **15.7353** | **0.0382** | **3.3111** | **0.0503** | **3.3614** | **0.8877** | **0.0477** | **0.9354** | **71.0385** | **4,099.2201** | **4,170.2586** | **4.4980** | **0.0164** | **4,287.6069** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 1 - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2020 | 12/31/2019 | 6 | 0 | |
| 2 | Site Preparation | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | |
| 3 | Grading | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | |
| 4 | Trenching | Trenching | 5/1/2020 | 5/12/2020 | 6 | 10 | |
| 5 | Building Construction | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | |
| 6 | Paving | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | |
| 7 | Architectural Coating | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | |

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

**Acres of Grading (Grading Phase): 16.8**

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,095; Non-Residential Outdoor: 47,365; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 1 - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Trenching | Trenchers | 1 | 8.00 | 78 | 0.50 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 18,094.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Trenching | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 204.00 | 81.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.3 Site Preparation - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0204 | 0.2121 | 0.1076 | 1.9000e-004 | | 0.0110 | 0.0110 | | 0.0101 | 0.0101 | 0.0000 | 16.7153 | 16.7153 | 5.4100e-003 | 0.0000 | 16.8505 |
| **Total** | **0.0204** | **0.2121** | **0.1076** | **1.9000e-004** | **0.0903** | **0.0110** | **0.1013** | **0.0497** | **0.0101** | **0.0598** | **0.0000** | **16.7153** | **16.7153** | **5.4100e-003** | **0.0000** | **16.8505** |

## 3.3 Site Preparation - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 4.5000e-004 | 2.8000e-004 | 2.9700e-003 | 1.0000e-005 | 7.1000e-004 | 1.0000e-005 | 7.1000e-004 | 1.9000e-004 | 1.0000e-005 | 1.9000e-004 | 0.0000 | 0.6344 | 0.6344 | 2.0000e-005 | 0.0000 | 0.6349 |
| **Total** | **4.5000e-004** | **2.8000e-004** | **2.9700e-003** | **1.0000e-005** | **7.1000e-004** | **1.0000e-005** | **7.1000e-004** | **1.9000e-004** | **1.0000e-005** | **1.9000e-004** | **0.0000** | **0.6344** | **0.6344** | **2.0000e-005** | **0.0000** | **0.6349** |

### 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 | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0204 | 0.2121 | 0.1076 | 1.9000e-004 | | 0.0110 | 0.0110 | | 0.0101 | 0.0101 | 0.0000 | 16.7153 | 16.7153 | 5.4100e-003 | 0.0000 | 16.8505 |
| **Total** | **0.0204** | **0.2121** | **0.1076** | **1.9000e-004** | **0.0903** | **0.0110** | **0.1013** | **0.0497** | **0.0101** | **0.0598** | **0.0000** | **16.7153** | **16.7153** | **5.4100e-003** | **0.0000** | **16.8505** |

## 3.3 Site Preparation - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 4.5000e-004 | 2.8000e-004 | 2.9700e-003 | 1.0000e-005 | 7.1000e-004 | 1.0000e-005 | 7.1000e-004 | 1.9000e-004 | 1.0000e-005 | 1.9000e-004 | 0.0000 | 0.6344 | 0.6344 | 2.0000e-005 | 0.0000 | 0.6349 |
| **Total** | **4.5000e-004** | **2.8000e-004** | **2.9700e-003** | **1.0000e-005** | **7.1000e-004** | **1.0000e-005** | **7.1000e-004** | **1.9000e-004** | **1.0000e-005** | **1.9000e-004** | **0.0000** | **0.6344** | **0.6344** | **2.0000e-005** | **0.0000** | **0.6349** |

## 3.4 Grading - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.6764 | 7.6300 | 4.8577 | 9.4200e-003 | | 0.3304 | 0.3304 | | 0.3040 | 0.3040 | 0.0000 | 828.1613 | 828.1613 | 0.2678 | 0.0000 | 834.8574 |
| **Total** | **0.6764** | **7.6300** | **4.8577** | **9.4200e-003** | **0.9243** | **0.3304** | **1.2547** | **0.5041** | **0.3040** | **0.8081** | **0.0000** | **828.1613** | **828.1613** | **0.2678** | **0.0000** | **834.8574** |

## 3.4 Grading - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 7.1400e-003 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 0.0000 | 677.2948 | 677.2948 | 8.6700e-003 | 0.0000 | 677.5115 |
| 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 | 0.0151 | 9.3700e-003 | 0.1003 | 2.4000e-004 | 0.0239 | 1.9000e-004 | 0.0241 | 6.3700e-003 | 1.7000e-004 | 6.5400e-003 | 0.0000 | 21.4286 | 21.4286 | 6.8000e-004 | 0.0000 | 21.4457 |
| **Total** | **0.0914** | **2.9893** | **0.9483** | **7.3800e-003** | **0.1730** | **0.0120** | **0.1850** | **0.0471** | **0.0115** | **0.0586** | **0.0000** | **698.7234** | **698.7234** | **9.3500e-003** | **0.0000** | **698.9572** |

### 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 | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.6764 | 7.6300 | 4.8577 | 9.4200e-003 | | 0.3304 | 0.3304 | | 0.3040 | 0.3040 | 0.0000 | 828.1603 | 828.1603 | 0.2678 | 0.0000 | 834.8564 |
| **Total** | **0.6764** | **7.6300** | **4.8577** | **9.4200e-003** | **0.9243** | **0.3304** | **1.2547** | **0.5041** | **0.3040** | **0.8081** | **0.0000** | **828.1603** | **828.1603** | **0.2678** | **0.0000** | **834.8564** |

## 3.4 Grading - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 7.1400e-003 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 0.0000 | 677.2948 | 677.2948 | 8.6700e-003 | 0.0000 | 677.5115 |
| 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 | 0.0151 | 9.3700e-003 | 0.1003 | 2.4000e-004 | 0.0239 | 1.9000e-004 | 0.0241 | 6.3700e-003 | 1.7000e-004 | 6.5400e-003 | 0.0000 | 21.4286 | 21.4286 | 6.8000e-004 | 0.0000 | 21.4457 |
| **Total** | **0.0914** | **2.9893** | **0.9483** | **7.3800e-003** | **0.1730** | **0.0120** | **0.1850** | **0.0471** | **0.0115** | **0.0586** | **0.0000** | **698.7234** | **698.7234** | **9.3500e-003** | **0.0000** | **698.9572** |

## 3.4 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0231 | 0.2552 | 0.1698 | 3.4000e-004 | | 0.0109 | 0.0109 | | 0.0101 | 0.0101 | 0.0000 | 29.9722 | 29.9722 | 9.6900e-003 | 0.0000 | 30.2146 |
| **Total** | **0.0231** | **0.2552** | **0.1698** | **3.4000e-004** | **0.0420** | **0.0109** | **0.0530** | **0.0192** | **0.0101** | **0.0292** | **0.0000** | **29.9722** | **29.9722** | **9.6900e-003** | **0.0000** | **30.2146** |

## 3.4 Grading - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6200e-003 | 0.1000 | 0.0288 | 2.6000e-004 | 0.1152 | 3.9000e-004 | 0.1155 | 0.0284 | 3.7000e-004 | 0.0288 | 0.0000 | 24.2693 | 24.2693 | 2.9000e-004 | 0.0000 | 24.2765 |
| 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 | 5.2000e-004 | 3.0000e-004 | 3.3000e-003 | 1.0000e-005 | 8.7000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7491 | 0.7491 | 2.0000e-005 | 0.0000 | 0.7496 |
| **Total** | **3.1400e-003** | **0.1003** | **0.0321** | **2.7000e-004** | **0.1160** | **4.0000e-004** | **0.1164** | **0.0286** | **3.8000e-004** | **0.0290** | **0.0000** | **25.0183** | **25.0183** | **3.1000e-004** | **0.0000** | **25.0261** |

### 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 | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0231 | 0.2552 | 0.1698 | 3.4000e-004 | | 0.0109 | 0.0109 | | 0.0101 | 0.0101 | 0.0000 | 29.9722 | 29.9722 | 9.6900e-003 | 0.0000 | 30.2145 |
| **Total** | **0.0231** | **0.2552** | **0.1698** | **3.4000e-004** | **0.0420** | **0.0109** | **0.0530** | **0.0192** | **0.0101** | **0.0292** | **0.0000** | **29.9722** | **29.9722** | **9.6900e-003** | **0.0000** | **30.2145** |

## 3.4 Grading - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6200e-003 | 0.1000 | 0.0288 | 2.6000e-004 | 0.1152 | 3.9000e-004 | 0.1155 | 0.0284 | 3.7000e-004 | 0.0288 | 0.0000 | 24.2693 | 24.2693 | 2.9000e-004 | 0.0000 | 24.2765 |
| 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 | 5.2000e-004 | 3.0000e-004 | 3.3000e-003 | 1.0000e-005 | 8.7000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7491 | 0.7491 | 2.0000e-005 | 0.0000 | 0.7496 |
| **Total** | **3.1400e-003** | **0.1003** | **0.0321** | **2.7000e-004** | **0.1160** | **4.0000e-004** | **0.1164** | **0.0286** | **3.8000e-004** | **0.0290** | **0.0000** | **25.0183** | **25.0183** | **3.1000e-004** | **0.0000** | **25.0261** |

## 3.5 Trenching - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 2.1000e-003 | 0.0190 | 0.0132 | 2.0000e-005 | | 1.4200e-003 | 1.4200e-003 | | 1.3100e-003 | 1.3100e-003 | 0.0000 | 1.4824 | 1.4824 | 4.8000e-004 | 0.0000 | 1.4944 |
| **Total** | **2.1000e-003** | **0.0190** | **0.0132** | **2.0000e-005** | | **1.4200e-003** | **1.4200e-003** | | **1.3100e-003** | **1.3100e-003** | **0.0000** | **1.4824** | **1.4824** | **4.8000e-004** | **0.0000** | **1.4944** |

## 3.5 Trenching - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-005 | 5.0000e-005 | 4.9000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1057 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **4.9000e-004** | **0.0000** | **1.2000e-004** | **0.0000** | **1.2000e-004** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **0.1057** | **0.1057** | **0.0000** | **0.0000** | **0.1058** |

### 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 | 2.1000e-003 | 0.0190 | 0.0132 | 2.0000e-005 | | 1.4200e-003 | 1.4200e-003 | | 1.3100e-003 | 1.3100e-003 | 0.0000 | 1.4824 | 1.4824 | 4.8000e-004 | 0.0000 | 1.4944 |
| **Total** | **2.1000e-003** | **0.0190** | **0.0132** | **2.0000e-005** | | **1.4200e-003** | **1.4200e-003** | | **1.3100e-003** | **1.3100e-003** | **0.0000** | **1.4824** | **1.4824** | **4.8000e-004** | **0.0000** | **1.4944** |

## 3.5 Trenching - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-005 | 5.0000e-005 | 4.9000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1057 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **4.9000e-004** | **0.0000** | **1.2000e-004** | **0.0000** | **1.2000e-004** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **0.1057** | **0.1057** | **0.0000** | **0.0000** | **0.1058** |

## 3.6 Building Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2120 | 1.9186 | 1.6849 | 2.6900e-003 | | 0.1117 | 0.1117 | | 0.1050 | 0.1050 | 0.0000 | 231.6100 | 231.6100 | 0.0565 | 0.0000 | 233.0226 |
| **Total** | **0.2120** | **1.9186** | **1.6849** | **2.6900e-003** | | **0.1117** | **0.1117** | | **0.1050** | **0.1050** | **0.0000** | **231.6100** | **231.6100** | **0.0565** | **0.0000** | **233.0226** |

## 3.6 Building Construction - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0347 | 1.0282 | 0.3448 | 2.1800e-003 | 0.0526 | 5.8800e-003 | 0.0585 | 0.0152 | 5.6300e-003 | 0.0208 | 0.0000 | 206.2121 | 206.2121 | 4.2300e-003 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 1.5900e-003 | 0.1606 | 1.2700e-003 | 0.1619 | 0.0427 | 1.1700e-003 | 0.0439 | 0.0000 | 143.7970 | 143.7970 | 4.5900e-003 | 0.0000 | 143.9117 |
| **Total** | **0.1363** | **1.0911** | **1.0180** | **3.7700e-003** | **0.2132** | **7.1500e-003** | **0.2204** | **0.0579** | **6.8000e-003** | **0.0647** | **0.0000** | **350.0091** | **350.0091** | **8.8200e-003** | **0.0000** | **350.2296** |

### 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 | 0.2120 | 1.9186 | 1.6849 | 2.6900e-003 | | 0.1117 | 0.1117 | | 0.1050 | 0.1050 | 0.0000 | 231.6097 | 231.6097 | 0.0565 | 0.0000 | 233.0223 |
| **Total** | **0.2120** | **1.9186** | **1.6849** | **2.6900e-003** | | **0.1117** | **0.1117** | | **0.1050** | **0.1050** | **0.0000** | **231.6097** | **231.6097** | **0.0565** | **0.0000** | **233.0223** |

## 3.6 Building Construction - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0347 | 1.0282 | 0.3448 | 2.1800e-003 | 0.0526 | 5.8800e-003 | 0.0585 | 0.0152 | 5.6300e-003 | 0.0208 | 0.0000 | 206.2121 | 206.2121 | 4.2300e-003 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 1.5900e-003 | 0.1606 | 1.2700e-003 | 0.1619 | 0.0427 | 1.1700e-003 | 0.0439 | 0.0000 | 143.7970 | 143.7970 | 4.5900e-003 | 0.0000 | 143.9117 |
| **Total** | **0.1363** | **1.0911** | **1.0180** | **3.7700e-003** | **0.2132** | **7.1500e-003** | **0.2204** | **0.0579** | **6.8000e-003** | **0.0647** | **0.0000** | **350.0091** | **350.0091** | **8.8200e-003** | **0.0000** | **350.2296** |

## 3.6 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0951 | 0.8716 | 0.8288 | 1.3500e-003 | | 0.0479 | 0.0479 | | 0.0451 | 0.0451 | 0.0000 | 115.8186 | 115.8186 | 0.0279 | 0.0000 | 116.5172 |
| **Total** | **0.0951** | **0.8716** | **0.8288** | **1.3500e-003** | | **0.0479** | **0.0479** | | **0.0451** | **0.0451** | **0.0000** | **115.8186** | **115.8186** | **0.0279** | **0.0000** | **116.5172** |

## 3.6 Building Construction - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0141 | 0.4680 | 0.1539 | 1.0800e-003 | 0.0263 | 1.4100e-003 | 0.0277 | 7.6000e-003 | 1.3500e-003 | 8.9500e-003 | 0.0000 | 102.3962 | 102.3962 | 1.8400e-003 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 7.7000e-004 | 0.0803 | 6.1000e-004 | 0.0809 | 0.0214 | 5.6000e-004 | 0.0219 | 0.0000 | 69.4587 | 69.4587 | 2.0500e-003 | 0.0000 | 69.5100 |
| **Total** | **0.0620** | **0.4962** | **0.4603** | **1.8500e-003** | **0.1066** | **2.0200e-003** | **0.1086** | **0.0290** | **1.9100e-003** | **0.0309** | **0.0000** | **171.8549** | **171.8549** | **3.8900e-003** | **0.0000** | **171.9522** |

### 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 | 0.0951 | 0.8716 | 0.8288 | 1.3500e-003 | | 0.0479 | 0.0479 | | 0.0451 | 0.0451 | 0.0000 | 115.8185 | 115.8185 | 0.0279 | 0.0000 | 116.5171 |
| **Total** | **0.0951** | **0.8716** | **0.8288** | **1.3500e-003** | | **0.0479** | **0.0479** | | **0.0451** | **0.0451** | **0.0000** | **115.8185** | **115.8185** | **0.0279** | **0.0000** | **116.5171** |

## 3.6 Building Construction - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0141 | 0.4680 | 0.1539 | 1.0800e-003 | 0.0263 | 1.4100e-003 | 0.0277 | 7.6000e-003 | 1.3500e-003 | 8.9500e-003 | 0.0000 | 102.3962 | 102.3962 | 1.8400e-003 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 7.7000e-004 | 0.0803 | 6.1000e-004 | 0.0809 | 0.0214 | 5.6000e-004 | 0.0219 | 0.0000 | 69.4587 | 69.4587 | 2.0500e-003 | 0.0000 | 69.5100 |
| **Total** | **0.0620** | **0.4962** | **0.4603** | **1.8500e-003** | **0.1066** | **2.0200e-003** | **0.1086** | **0.0290** | **1.9100e-003** | **0.0309** | **0.0000** | **171.8549** | **171.8549** | **3.8900e-003** | **0.0000** | **171.9522** |

## 3.7 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0126 | 0.1292 | 0.1465 | 2.3000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2400e-003 | 6.2400e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0219** | **0.1292** | **0.1465** | **2.3000e-004** | | **6.7800e-003** | **6.7800e-003** | | **6.2400e-003** | **6.2400e-003** | **0.0000** | **20.0235** | **20.0235** | **6.4800e-003** | **0.0000** | **20.1854** |

## 3.7 Paving - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

### 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 | 0.0126 | 0.1292 | 0.1465 | 2.3000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2400e-003 | 6.2400e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0219** | **0.1292** | **0.1465** | **2.3000e-004** | | **6.7800e-003** | **6.7800e-003** | | **6.2400e-003** | **6.2400e-003** | **0.0000** | **20.0235** | **20.0235** | **6.4800e-003** | **0.0000** | **20.1854** |

## 3.7 Paving - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

## 3.8 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.2364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.1900e-003 | 0.0153 | 0.0182 | 3.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 9.4000e-004 | 9.4000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |
| **Total** | **1.2386** | **0.0153** | **0.0182** | **3.0000e-005** | | **9.4000e-004** | **9.4000e-004** | | **9.4000e-004** | **9.4000e-004** | **0.0000** | **2.5533** | **2.5533** | **1.8000e-004** | **0.0000** | **2.5576** |

## 3.8 Architectural Coating - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.9200e-003 | 1.1400e-003 | 0.0123 | 3.0000e-005 | 3.2300e-003 | 2.0000e-005 | 3.2500e-003 | 8.6000e-004 | 2.0000e-005 | 8.8000e-004 | 0.0000 | 2.7920 | 2.7920 | 8.0000e-005 | 0.0000 | 2.7940 |
| **Total** | **1.9200e-003** | **1.1400e-003** | **0.0123** | **3.0000e-005** | **3.2300e-003** | **2.0000e-005** | **3.2500e-003** | **8.6000e-004** | **2.0000e-005** | **8.8000e-004** | **0.0000** | **2.7920** | **2.7920** | **8.0000e-005** | **0.0000** | **2.7940** |

### 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 | 1.2364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.1900e-003 | 0.0153 | 0.0182 | 3.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 9.4000e-004 | 9.4000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |
| **Total** | **1.2386** | **0.0153** | **0.0182** | **3.0000e-005** | | **9.4000e-004** | **9.4000e-004** | | **9.4000e-004** | **9.4000e-004** | **0.0000** | **2.5533** | **2.5533** | **1.8000e-004** | **0.0000** | **2.5576** |

## 3.8 Architectural Coating - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.9200e-003 | 1.1400e-003 | 0.0123 | 3.0000e-005 | 3.2300e-003 | 2.0000e-005 | 3.2500e-003 | 8.6000e-004 | 2.0000e-005 | 8.8000e-004 | 0.0000 | 2.7920 | 2.7920 | 8.0000e-005 | 0.0000 | 2.7940 |
| **Total** | **1.9200e-003** | **1.1400e-003** | **0.0123** | **3.0000e-005** | **3.2300e-003** | **2.0000e-005** | **3.2500e-003** | **8.6000e-004** | **2.0000e-005** | **8.8000e-004** | **0.0000** | **2.7920** | **2.7920** | **8.0000e-005** | **0.0000** | **2.7940** |

# 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 | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Unmitigated | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant with Drive Thru | 1,820.76 | 2,649.85 | 1991.78 | 1,834,672 | 1,834,672 |
| General Office Building | 38.61 | 8.61 | 3.68 | 70,091 | 70,091 |
| High Turnover (Sit Down Restaurant) | 598.88 | 745.92 | 620.97 | 722,890 | 722,890 |
| Hotel | 817.00 | 819.00 | 595.00 | 1,492,531 | 1,492,531 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 314.83 | 330.26 | 252.56 | 365,500 | 365,500 |
| Regional Shopping Center | 185.32 | 216.87 | 109.54 | 313,842 | 313,842 |
| Supermarket | 3,064.13 | 5,322.37 | 4988.21 | 4,164,870 | 4,164,870 |
| Total | 6,839.52 | 10,092.88 | 8,561.73 | 8,964,396 | 8,964,396 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 519.3826 | 519.3826 | 0.0235 | 4.8600e-003 | 521.4177 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 519.3826 | 519.3826 | 0.0235 | 4.8600e-003 | 521.4177 |
| NaturalGas Mitigated | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0169 | 170.0169 | 3.2600e-003 | 3.1200e-003 | 171.0272 |
| NaturalGas Unmitigated | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0169 | 170.0169 | 3.2600e-003 | 3.1200e-003 | 171.0272 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 547302 | 2.9500e-003 | 0.0268 | 0.0225 | 1.6000e-004 | | 2.0400e-003 | 2.0400e-003 | | 2.0400e-003 | 2.0400e-003 | 0.0000 | 29.2061 | 29.2061 | 5.6000e-004 | 5.4000e-004 | 29.3797 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 31291.4 | 1.7000e-004 | 1.5300e-003 | 1.2900e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 1.6698 | 1.6698 | 3.0000e-005 | 3.0000e-005 | 1.6798 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0172** | **0.1562** | **0.1312** | **9.5000e-004** | | **0.0119** | **0.0119** | | **0.0119** | **0.0119** | **0.0000** | **170.0169** | **170.0169** | **3.2700e-003** | **3.1200e-003** | **171.0272** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 547302 | 2.9500e-003 | 0.0268 | 0.0225 | 1.6000e-004 | | 2.0400e-003 | 2.0400e-003 | | 2.0400e-003 | 2.0400e-003 | 0.0000 | 29.2061 | 29.2061 | 5.6000e-004 | 5.4000e-004 | 29.3797 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 31291.4 | 1.7000e-004 | 1.5300e-003 | 1.2900e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 1.6698 | 1.6698 | 3.0000e-005 | 3.0000e-005 | 1.6798 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0172** | **0.1562** | **0.1312** | **9.5000e-004** | | **0.0119** | **0.0119** | | **0.0119** | **0.0119** | **0.0000** | **170.0169** | **170.0169** | **3.2700e-003** | **3.1200e-003** | **171.0272** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 115725 | 33.6656 | 1.5200e-003 | 3.1000e-004 | 33.7976 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 58676.8 | 17.0698 | 7.7000e-004 | 1.6000e-004 | 17.1366 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **519.3826** | **0.0235** | **4.8600e-003** | **521.4177** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 115725 | 33.6656 | 1.5200e-003 | 3.1000e-004 | 33.7976 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 58676.8 | 17.0698 | 7.7000e-004 | 1.6000e-004 | 17.1366 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **519.3826** | **0.0235** | **4.8600e-003** | **521.4177** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Unmitigated | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |

## 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 | 0.1236 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3958 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7000e-004 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| **Total** | **0.5199** | **5.0000e-005** | **5.0400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **9.8100e-003** | **9.8100e-003** | **3.0000e-005** | **0.0000** | **0.0105** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1236 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3958 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7000e-004 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| **Total** | **0.5199** | **5.0000e-005** | **5.0400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **9.8100e-003** | **9.8100e-003** | **3.0000e-005** | **0.0000** | **0.0105** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Montano - Construction Phase 1 - El Dorado-Mountain County County, Annual

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| Unmitigated | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 1.11397 / 0.0711044 | 2.1793 | 0.0364 | 8.7000e-004 | 3.3494 |
| General Office Building | 0.622068 / 0.381268 | 1.5648 | 0.0203 | 4.9000e-004 | 2.2195 |
| High Turnover (Sit Down Restaurant) | 1.42964 / 0.0912539 | 2.7969 | 0.0467 | 1.1200e-003 | 4.2985 |
| Hotel | 2.53668 / 0.281853 | 5.0848 | 0.0829 | 1.9900e-003 | 7.7496 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.06237 / 0.0678107 | 2.0784 | 0.0347 | 8.3000e-004 | 3.1942 |
| Regional Shopping Center | 0.321475 / 0.197033 | 0.8087 | 0.0105 | 2.5000e-004 | 1.1470 |
| Supermarket | 3.69435 / 0.114258 | 7.1037 | 0.1207 | 2.9000e-003 | 10.9835 |
| **Total** | | **21.6166** | **0.3521** | **8.4500e-003** | **32.9418** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 1.11397 / 0.0711044 | 2.1793 | 0.0364 | 8.7000e-004 | 3.3494 |
| General Office Building | 0.622068 / 0.381268 | 1.5648 | 0.0203 | 4.9000e-004 | 2.2195 |
| High Turnover (Sit Down Restaurant) | 1.42964 / 0.0912539 | 2.7969 | 0.0467 | 1.1200e-003 | 4.2985 |
| Hotel | 2.53668 / 0.281853 | 5.0848 | 0.0829 | 1.9900e-003 | 7.7496 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.06237 / 0.0678107 | 2.0784 | 0.0347 | 8.3000e-004 | 3.1942 |
| Regional Shopping Center | 0.321475 / 0.197033 | 0.8087 | 0.0105 | 2.5000e-004 | 1.1470 |
| Supermarket | 3.69435 / 0.114258 | 7.1037 | 0.1207 | 2.9000e-003 | 10.9835 |
| **Total** | | **21.6166** | **0.3521** | **8.4500e-003** | **32.9418** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Unmitigated | 67.6183 | 3.9961 | 0.0000 | 167.5215 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 3.26 | 0.6618 | 0.0391 | 0.0000 | 1.6395 |
| High Turnover (Sit Down Restaurant) | 56.05 | 11.3776 | 0.6724 | 0.0000 | 28.1876 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 4.56 | 0.9256 | 0.0547 | 0.0000 | 2.2932 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **67.6183** | **3.9961** | **0.0000** | **167.5215** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 3.26 | 0.6618 | 0.0391 | 0.0000 | 1.6395 |
| High Turnover (Sit Down Restaurant) | 56.05 | 11.3776 | 0.6724 | 0.0000 | 28.1876 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 4.56 | 0.9256 | 0.0547 | 0.0000 | 2.2932 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **67.6183** | **3.9961** | **0.0000** | **167.5215** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 1

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 4.71 | 1000sqft | 0.11 | 4,710.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 4.34 | 1000sqft | 0.10 | 4,340.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel acreage based on 4-story building

Construction Phase - Adjusted grading phasing to one year

Off-road Equipment -

Off-road Equipment - No Demo

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added trenching equipment since defaults are not provided

Grading - Adjusted total acres graded

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 315.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 787.50 | 16.80 |
| tblGrading | MaterialExported | 0.00 | 140,000.00 |
| tblGrading | MaterialImported | 0.00 | 43,000.00 |
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

## 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 | | | | | |
| 2020 | 8.6210 | 99.0565 | 65.5131 | 0.1770 | 18.2141 | 3.4406 | 20.4127 | 9.9699 | 3.1930 | 11.9926 | 0.0000 | 17,669.4699 | 17,669.4699 | 2.7307 | 0.0000 | 17,737.7383 |
| 2021 | 124.0720 | 91.1828 | 62.7796 | 0.1758 | 30.4425 | 3.0553 | 33.4978 | 9.3831 | 2.8338 | 12.2170 | 0.0000 | 17,543.5718 | 17,543.5718 | 2.7072 | 0.0000 | 17,611.2516 |
| **Maximum** | **124.0720** | **99.0565** | **65.5131** | **0.1770** | **30.4425** | **3.4406** | **33.4978** | **9.9699** | **3.1930** | **12.2170** | **0.0000** | **17,669.4699** | **17,669.4699** | **2.7307** | **0.0000** | **17,737.7383** |

## 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 | | | | | |
| 2020 | 8.6210 | 99.0565 | 65.5131 | 0.1770 | 18.2141 | 3.4406 | 20.4127 | 9.9699 | 3.1930 | 11.9926 | 0.0000 | 17,669.4698 | 17,669.4698 | 2.7307 | 0.0000 | 17,737.7383 |
| 2021 | 124.0720 | 91.1828 | 62.7796 | 0.1758 | 30.4425 | 3.0553 | 33.4978 | 9.3831 | 2.8338 | 12.2170 | 0.0000 | 17,543.5717 | 17,543.5717 | 2.7072 | 0.0000 | 17,611.2516 |
| **Maximum** | **124.0720** | **99.0565** | **65.5131** | **0.1770** | **30.4425** | **3.4406** | **33.4978** | **9.9699** | **3.1930** | **12.2170** | **0.0000** | **17,669.4698** | **17,669.4698** | **2.7307** | **0.0000** | **17,737.7383** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Energy | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| Mobile | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| **Total** | **19.7086** | **32.6796** | **112.9725** | **0.2934** | **25.0077** | **0.3438** | **25.3515** | **6.6810** | **0.3252** | **7.0062** | | **29,926.1035** | **29,926.1035** | **0.9948** | **0.0188** | **29,956.5841** |

## 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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Energy | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| Mobile | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| **Total** | **19.7086** | **32.6796** | **112.9725** | **0.2934** | **25.0077** | **0.3438** | **25.3515** | **6.6810** | **0.3252** | **7.0062** | | **29,926.1035** | **29,926.1035** | **0.9948** | **0.0188** | **29,956.5841** |

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

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2020 | 12/31/2019 | 6 | 0 | |
| 2 | Site Preparation | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | |
| 3 | Grading | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | |
| 4 | Trenching | Trenching | 5/1/2020 | 5/12/2020 | 6 | 10 | |
| 5 | Building Construction | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | |
| 6 | Paving | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | |
| 7 | Architectural Coating | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | |

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

**Acres of Grading (Grading Phase): 16.8**

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,095; Non-Residential Outdoor: 47,365; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Trenching | Trenchers | 1 | 8.00 | 78 | 0.50 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 8 | 20.00 | 0.00 | 18,094.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Trenching | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 204.00 | 81.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.3 Site Preparation - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 | | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| **Total** | **4.0765** | **42.4173** | **21.5136** | **0.0380** | **18.0663** | **2.1974** | **20.2637** | **9.9307** | **2.0216** | **11.9523** | | **3,685.1016** | **3,685.1016** | **1.1918** | | **3,714.8975** |

## 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 | 0.0976 | 0.0486 | 0.6443 | 1.5200e-003 | 0.1479 | 1.1200e-003 | 0.1490 | 0.0392 | 1.0300e-003 | 0.0403 | | 151.5334 | 151.5334 | 4.7700e-003 | | 151.6527 |
| **Total** | **0.0976** | **0.0486** | **0.6443** | **1.5200e-003** | **0.1479** | **1.1200e-003** | **0.1490** | **0.0392** | **1.0300e-003** | **0.0403** | | **151.5334** | **151.5334** | **4.7700e-003** | | **151.6527** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 | 0.0000 | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| **Total** | **4.0765** | **42.4173** | **21.5136** | **0.0380** | **18.0663** | **2.1974** | **20.2637** | **9.9307** | **2.0216** | **11.9523** | **0.0000** | **3,685.1016** | **3,685.1016** | **1.1918** | | **3,714.8975** |

**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 | 0.0976 | 0.0486 | 0.6443 | 1.5200e-003 | 0.1479 | 1.1200e-003 | 0.1490 | 0.0392 | 1.0300e-003 | 0.0403 | | 151.5334 | 151.5334 | 4.7700e-003 | | 151.6527 |
| **Total** | **0.0976** | **0.0486** | **0.6443** | **1.5200e-003** | **0.1479** | **1.1200e-003** | **0.1490** | **0.0392** | **1.0300e-003** | **0.0403** | | **151.5334** | **151.5334** | **4.7700e-003** | | **151.6527** |

## 3.4 Grading - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| **Total** | **4.4501** | **50.1975** | **31.9583** | **0.0620** | **6.0787** | **2.1739** | **8.2526** | **3.3163** | **2.0000** | **5.3163** | | **6,005.8653** | **6,005.8653** | **1.9424** | | **6,054.4257** |

## 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 | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 | | 4,934.6529 | 4,934.6529 | 0.0613 | | 4,936.1865 |
| 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 | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| **Total** | **0.6051** | **19.0695** | **6.1804** | **0.0489** | **1.1824** | **0.0786** | **1.2610** | **0.3208** | **0.0751** | **0.3959** | | **5,103.0233** | **5,103.0233** | **0.0666** | | **5,104.6895** |

## 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 | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 | 0.0000 | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| **Total** | **4.4501** | **50.1975** | **31.9583** | **0.0620** | **6.0787** | **2.1739** | **8.2526** | **3.3163** | **2.0000** | **5.3163** | **0.0000** | **6,005.8653** | **6,005.8653** | **1.9424** | | **6,054.4257** |

**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 | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 | | 4,934.6529 | 4,934.6529 | 0.0613 | | 4,936.1865 |
| 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 | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| **Total** | **0.6051** | **19.0695** | **6.1804** | **0.0489** | **1.1824** | **0.0786** | **1.2610** | **0.3208** | **0.0751** | **0.3959** | | **5,103.0233** | **5,103.0233** | **0.0666** | | **5,104.6895** |

## 3.4 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.1912 | 46.3998 | 30.8785 | 0.0620 | | 1.9853 | 1.9853 | | 1.8265 | 1.8265 | | 6,007.0434 | 6,007.0434 | 1.9428 | | 6,055.6134 |
| **Total** | **4.1912** | **46.3998** | **30.8785** | **0.0620** | **6.0787** | **1.9853** | **8.0640** | **3.3163** | **1.8265** | **5.1428** | | **6,007.0434** | **6,007.0434** | **1.9428** | | **6,055.6134** |

## 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 | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 | | 4,886.9100 | 4,886.9100 | 0.0563 | | 4,888.3179 |
| 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 | 0.1021 | 0.0486 | 0.6541 | 1.6300e-003 | 0.1643 | 1.2000e-003 | 0.1655 | 0.0436 | 1.1100e-003 | 0.0447 | | 162.6602 | 162.6602 | 4.7500e-003 | | 162.7789 |
| **Total** | **0.5732** | **17.6903** | **5.7797** | **0.0484** | **22.1431** | **0.0713** | **22.2144** | **5.4656** | **0.0682** | **5.5338** | | **5,049.5702** | **5,049.5702** | **0.0611** | | **5,051.0968** |

## 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 | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.1912 | 46.3998 | 30.8785 | 0.0620 | | 1.9853 | 1.9853 | | 1.8265 | 1.8265 | 0.0000 | 6,007.0434 | 6,007.0434 | 1.9428 | | 6,055.6134 |
| **Total** | **4.1912** | **46.3998** | **30.8785** | **0.0620** | **6.0787** | **1.9853** | **8.0640** | **3.3163** | **1.8265** | **5.1428** | **0.0000** | **6,007.0434** | **6,007.0434** | **1.9428** | | **6,055.6134** |

**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 | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 | | 4,886.9100 | 4,886.9100 | 0.0563 | | 4,888.3179 |
| 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 | 0.1021 | 0.0486 | 0.6541 | 1.6300e-003 | 0.1643 | 1.2000e-003 | 0.1655 | 0.0436 | 1.1100e-003 | 0.0447 | | 162.6602 | 162.6602 | 4.7500e-003 | | 162.7789 |
| **Total** | **0.5732** | **17.6903** | **5.7797** | **0.0484** | **22.1431** | **0.0713** | **22.2144** | **5.4656** | **0.0682** | **5.5338** | | **5,049.5702** | **5,049.5702** | **0.0611** | | **5,051.0968** |

## 3.5 Trenching - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.4197 | 3.7966 | 2.6363 | 3.3700e-003 | | 0.2843 | 0.2843 | | 0.2615 | 0.2615 | | 326.8121 | 326.8121 | 0.1057 | | 329.4545 |
| **Total** | **0.4197** | **3.7966** | **2.6363** | **3.3700e-003** | | **0.2843** | **0.2843** | | **0.2615** | **0.2615** | | **326.8121** | **326.8121** | **0.1057** | | **329.4545** |

## 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 | 0.0163 | 8.1000e-003 | 0.1074 | 2.5000e-004 | 0.0246 | 1.9000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 25.2556 | 25.2556 | 8.0000e-004 | | 25.2755 |
| **Total** | **0.0163** | **8.1000e-003** | **0.1074** | **2.5000e-004** | **0.0246** | **1.9000e-004** | **0.0248** | **6.5400e-003** | **1.7000e-004** | **6.7100e-003** | | **25.2556** | **25.2556** | **8.0000e-004** | | **25.2755** |

## 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 | 0.4197 | 3.7966 | 2.6363 | 3.3700e-003 | | 0.2843 | 0.2843 | | 0.2615 | 0.2615 | 0.0000 | 326.8121 | 326.8121 | 0.1057 | | 329.4545 |
| **Total** | **0.4197** | **3.7966** | **2.6363** | **3.3700e-003** | | **0.2843** | **0.2843** | | **0.2615** | **0.2615** | **0.0000** | **326.8121** | **326.8121** | **0.1057** | | **329.4545** |

**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 | 0.0163 | 8.1000e-003 | 0.1074 | 2.5000e-004 | 0.0246 | 1.9000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 25.2556 | 25.2556 | 8.0000e-004 | | 25.2755 |
| **Total** | **0.0163** | **8.1000e-003** | **0.1074** | **2.5000e-004** | **0.0246** | **1.9000e-004** | **0.0248** | **6.5400e-003** | **1.7000e-004** | **6.7100e-003** | | **25.2556** | **25.2556** | **8.0000e-004** | | **25.2755** |

## 3.6 Building Construction - 2020

**Unmitigated Construction On-Site**

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

## 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 | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 | | 2,290.1402 | 2,290.1402 | 0.0447 | | 2,291.2582 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 | | 1,717.3780 | 1,717.3780 | 0.0541 | | 1,718.7304 |
| **Total** | **1.4460** | **10.6034** | **10.5259** | **0.0392** | **2.2208** | **0.0711** | **2.2918** | **0.6011** | **0.0675** | **0.6687** | | **4,007.5182** | **4,007.5182** | **0.0988** | | **4,009.9886** |

## Mitigated Construction On-Site

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

**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 | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 | | 2,290.1402 | 2,290.1402 | 0.0447 | | 2,291.2582 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 | | 1,717.3780 | 1,717.3780 | 0.0541 | | 1,718.7304 |
| **Total** | **1.4460** | **10.6034** | **10.5259** | **0.0392** | **2.2208** | **0.0711** | **2.2918** | **0.6011** | **0.0675** | **0.6687** | | **4,007.5182** | **4,007.5182** | **0.0988** | | **4,009.9886** |

## 3.6 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| **Total** | **1.9009** | **17.4321** | **16.5752** | **0.0269** | | **0.9586** | **0.9586** | | **0.9013** | **0.9013** | | **2,553.3639** | **2,553.3639** | **0.6160** | | **2,568.7643** |

## 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 | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 | | 2,274.4606 | 2,274.4606 | 0.0389 | | 2,275.4322 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 | | 1,659.1336 | 1,659.1336 | 0.0485 | | 1,660.3449 |
| **Total** | **1.3179** | **9.6606** | **9.5463** | **0.0385** | **2.2208** | **0.0401** | **2.2608** | **0.6011** | **0.0379** | **0.6390** | | **3,933.5943** | **3,933.5943** | **0.0873** | | **3,935.7771** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| **Total** | **1.9009** | **17.4321** | **16.5752** | **0.0269** | | **0.9586** | **0.9586** | | **0.9013** | **0.9013** | **0.0000** | **2,553.3639** | **2,553.3639** | **0.6160** | | **2,568.7643** |

**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 | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 | | 2,274.4606 | 2,274.4606 | 0.0389 | | 2,275.4322 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 | | 1,659.1336 | 1,659.1336 | 0.0485 | | 1,660.3449 |
| **Total** | **1.3179** | **9.6606** | **9.5463** | **0.0385** | **2.2208** | **0.0401** | **2.2608** | **0.6011** | **0.0379** | **0.6390** | | **3,933.5943** | **3,933.5943** | **0.0873** | | **3,935.7771** |

## 3.7 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **2.1870** | **12.9191** | **14.6532** | **0.0228** | | **0.6777** | **0.6777** | | **0.6235** | **0.6235** | | **2,207.2109** | **2,207.2109** | **0.7139** | | **2,225.0573** |

## 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 | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| **Total** | **0.0766** | **0.0364** | **0.4905** | **1.2300e-003** | **0.1232** | **9.0000e-004** | **0.1241** | **0.0327** | **8.3000e-004** | **0.0335** | | **121.9951** | **121.9951** | **3.5600e-003** | | **122.0842** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **2.1870** | **12.9191** | **14.6532** | **0.0228** | | **0.6777** | **0.6777** | | **0.6235** | **0.6235** | **0.0000** | **2,207.2109** | **2,207.2109** | **0.7139** | | **2,225.0573** |

**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 | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| **Total** | **0.0766** | **0.0364** | **0.4905** | **1.2300e-003** | **0.1232** | **9.0000e-004** | **0.1241** | **0.0327** | **8.3000e-004** | **0.0335** | | **121.9951** | **121.9951** | **3.5600e-003** | | **122.0842** |

## 3.8 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 123.6438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| **Total** | **123.8627** | **1.5268** | **1.8176** | **2.9700e-003** | | **0.0941** | **0.0941** | | **0.0941** | **0.0941** | | **281.4481** | **281.4481** | **0.0193** | | **281.9309** |

## 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 | 0.2093 | 0.0995 | 1.3408 | 3.3500e-003 | 0.3368 | 2.4600e-003 | 0.3393 | 0.0893 | 2.2700e-003 | 0.0916 | | 333.4533 | 333.4533 | 9.7400e-003 | | 333.6968 |
| **Total** | **0.2093** | **0.0995** | **1.3408** | **3.3500e-003** | **0.3368** | **2.4600e-003** | **0.3393** | **0.0893** | **2.2700e-003** | **0.0916** | | **333.4533** | **333.4533** | **9.7400e-003** | | **333.6968** |

## 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 | 123.6438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| **Total** | **123.8627** | **1.5268** | **1.8176** | **2.9700e-003** | | **0.0941** | **0.0941** | | **0.0941** | **0.0941** | **0.0000** | **281.4481** | **281.4481** | **0.0193** | | **281.9309** |

**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 | 0.0995 | 1.3408 | 3.3500e-003 | 0.3368 | 2.4600e-003 | 0.3393 | 0.0893 | 2.2700e-003 | 0.0916 | | 333.4533 | 333.4533 | 9.7400e-003 | | 333.6968 |
| **Total** | **0.2093** | **0.0995** | **1.3408** | **3.3500e-003** | **0.3368** | **2.4600e-003** | **0.3393** | **0.0893** | **2.2700e-003** | **0.0916** | | **333.4533** | **333.4533** | **9.7400e-003** | | **333.6968** |

## 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 | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| Unmitigated | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant with Drive Thru | 1,820.76 | 2,649.85 | 1991.78 | 1,834,672 | 1,834,672 |
| General Office Building | 38.61 | 8.61 | 3.68 | 70,091 | 70,091 |
| High Turnover (Sit Down Restaurant) | 598.88 | 745.92 | 620.97 | 722,890 | 722,890 |
| Hotel | 817.00 | 819.00 | 595.00 | 1,492,531 | 1,492,531 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 314.83 | 330.26 | 252.56 | 365,500 | 365,500 |
| Regional Shopping Center | 185.32 | 216.87 | 109.54 | 313,842 | 313,842 |
| Supermarket | 3,064.13 | 5,322.37 | 4988.21 | 4,164,870 | 4,164,870 |
| Total | 6,839.52 | 10,092.88 | 8,561.73 | 8,964,396 | 8,964,396 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| NaturalGas Unmitigated | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |

## 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 | | | | | |
| Fast Food Restaurant with Drive Thru | 1168.37 | 0.0126 | 0.1146 | 0.0962 | 6.9000e-004 | | 8.7100e-003 | 8.7100e-003 | | 8.7100e-003 | 8.7100e-003 | | 137.4550 | 137.4550 | 2.6300e-003 | 2.5200e-003 | 138.2718 |
| General Office Building | 187.37 | 2.0200e-003 | 0.0184 | 0.0154 | 1.1000e-004 | | 1.4000e-003 | 1.4000e-003 | | 1.4000e-003 | 1.4000e-003 | | 22.0435 | 22.0435 | 4.2000e-004 | 4.0000e-004 | 22.1745 |
| High Turnover (Sit Down Restaurant) | 1499.46 | 0.0162 | 0.1470 | 0.1235 | 8.8000e-004 | | 0.0112 | 0.0112 | | 0.0112 | 0.0112 | | 176.4068 | 176.4068 | 3.3800e-003 | 3.2300e-003 | 177.4551 |
| Hotel | 2561.73 | 0.0276 | 0.2512 | 0.2110 | 1.5100e-003 | | 0.0191 | 0.0191 | | 0.0191 | 0.0191 | | 301.3797 | 301.3797 | 5.7800e-003 | 5.5300e-003 | 303.1706 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1114.25 | 0.0120 | 0.1092 | 0.0918 | 6.6000e-004 | | 8.3000e-003 | 8.3000e-003 | | 8.3000e-003 | 8.3000e-003 | | 131.0878 | 131.0878 | 2.5100e-003 | 2.4000e-003 | 131.8668 |
| Regional Shopping Center | 85.7299 | 9.2000e-004 | 8.4000e-003 | 7.0600e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | | 10.0859 | 10.0859 | 1.9000e-004 | 1.8000e-004 | 10.1458 |
| Supermarket | 2111.86 | 0.0228 | 0.2070 | 0.1739 | 1.2400e-003 | | 0.0157 | 0.0157 | | 0.0157 | 0.0157 | | 248.4540 | 248.4540 | 4.7600e-003 | 4.5500e-003 | 249.9304 |
| **Total** | | **0.0941** | **0.8558** | **0.7188** | **5.1400e-003** | | **0.0651** | **0.0651** | | **0.0651** | **0.0651** | | **1,026.9126** | **1,026.9126** | **0.0197** | **0.0188** | **1,033.0150** |

**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 | | | | | |
| Fast Food Restaurant with Drive Thru | 1.16837 | 0.0126 | 0.1146 | 0.0962 | 6.9000e-004 | | 8.7100e-003 | 8.7100e-003 | | 8.7100e-003 | 8.7100e-003 | | 137.4550 | 137.4550 | 2.6300e-003 | 2.5200e-003 | 138.2718 |
| General Office Building | 0.18737 | 2.0200e-003 | 0.0184 | 0.0154 | 1.1000e-004 | | 1.4000e-003 | 1.4000e-003 | | 1.4000e-003 | 1.4000e-003 | | 22.0435 | 22.0435 | 4.2000e-004 | 4.0000e-004 | 22.1745 |
| High Turnover (Sit Down Restaurant) | 1.49946 | 0.0162 | 0.1470 | 0.1235 | 8.8000e-004 | | 0.0112 | 0.0112 | | 0.0112 | 0.0112 | | 176.4068 | 176.4068 | 3.3800e-003 | 3.2300e-003 | 177.4551 |
| Hotel | 2.56173 | 0.0276 | 0.2512 | 0.2110 | 1.5100e-003 | | 0.0191 | 0.0191 | | 0.0191 | 0.0191 | | 301.3797 | 301.3797 | 5.7800e-003 | 5.5300e-003 | 303.1706 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.11425 | 0.0120 | 0.1092 | 0.0918 | 6.6000e-004 | | 8.3000e-003 | 8.3000e-003 | | 8.3000e-003 | 8.3000e-003 | | 131.0878 | 131.0878 | 2.5100e-003 | 2.4000e-003 | 131.8668 |
| Regional Shopping Center | 0.0857299 | 9.2000e-004 | 8.4000e-003 | 7.0600e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | | 10.0859 | 10.0859 | 1.9000e-004 | 1.8000e-004 | 10.1458 |
| Supermarket | 2.11186 | 0.0228 | 0.2070 | 0.1739 | 1.2400e-003 | | 0.0157 | 0.0157 | | 0.0157 | 0.0157 | | 248.4540 | 248.4540 | 4.7600e-003 | 4.5500e-003 | 249.9304 |
| **Total** | | **0.0941** | **0.8558** | **0.7188** | **5.1400e-003** | | **0.0651** | **0.0651** | | **0.0651** | **0.0651** | | **1,026.9126** | **1,026.9126** | **0.0197** | **0.0188** | **1,033.0150** |

## 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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Unmitigated | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.6775 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1686 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.1900e-003 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| **Total** | **2.8513** | **5.1000e-004** | **0.0560** | **0.0000** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | | **0.1201** | **0.1201** | **3.2000e-004** | | **0.1280** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.6775 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1686 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.1900e-003 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| **Total** | **2.8513** | **5.1000e-004** | **0.0560** | **0.0000** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | | **0.1201** | **0.1201** | **3.2000e-004** | | **0.1280** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 2

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 4.61 | 1000sqft | 0.11 | 4,607.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 5.19 | 1000sqft | 0.12 | 5,193.00 | 0 |
| Regional Shopping Center | 13.99 | 1000sqft | 0.32 | 13,988.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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

Montano - Construction Phase 2 - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use -

Construction Phase - No demo, site prep, grading, or paving

Grading -

Off-road Equipment - No demo

Off-road Equipment - No site prep

Off-road Equipment - No grading

Off-road Equipment -

Off-road Equipment - No paving

Off-road Equipment -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 6.00 | 0.00 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 3.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 4,610.00 | 4,607.00 |
| tblLandUse | LandUseSquareFeet | 5,190.00 | 5,193.00 |
| tblLandUse | LandUseSquareFeet | 13,990.00 | 13,988.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 8.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |

## 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1825 | 1.4388 | 1.3021 | 2.3400e-003 | 9.6200e-003 | 0.0709 | 0.0805 | 2.6200e-003 | 0.0679 | 0.0706 | 0.0000 | 196.4414 | 196.4414 | 0.0357 | 0.0000 | 197.3341 |
| 2022 | 0.3855 | 0.3637 | 0.3573 | 6.5000e-004 | 2.6900e-003 | 0.0170 | 0.0197 | 7.3000e-004 | 0.0163 | 0.0170 | 0.0000 | 54.6398 | 54.6398 | 9.5900e-003 | 0.0000 | 54.8796 |
| **Maximum** | **0.3855** | **1.4388** | **1.3021** | **2.3400e-003** | **9.6200e-003** | **0.0709** | **0.0805** | **2.6200e-003** | **0.0679** | **0.0706** | **0.0000** | **196.4414** | **196.4414** | **0.0357** | **0.0000** | **197.3341** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1825 | 1.4388 | 1.3021 | 2.3400e-003 | 9.6200e-003 | 0.0709 | 0.0805 | 2.6200e-003 | 0.0679 | 0.0706 | 0.0000 | 196.4412 | 196.4412 | 0.0357 | 0.0000 | 197.3339 |
| 2022 | 0.3855 | 0.3637 | 0.3573 | 6.5000e-004 | 2.6900e-003 | 0.0170 | 0.0197 | 7.3000e-004 | 0.0163 | 0.0170 | 0.0000 | 54.6397 | 54.6397 | 9.5900e-003 | 0.0000 | 54.8795 |
| **Maximum** | **0.3855** | **1.4388** | **1.3021** | **2.3400e-003** | **9.6200e-003** | **0.0709** | **0.0805** | **2.6200e-003** | **0.0679** | **0.0706** | **0.0000** | **196.4412** | **196.4412** | **0.0357** | **0.0000** | **197.3339** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **7-14-2021** | **10-13-2021** | 0.7386 | 0.7386 |
| **2** | **10-14-2021** | **1-13-2022** | 0.7301 | 0.7301 |
| **3** | **1-14-2022** | **4-13-2022** | 0.6652 | 0.6652 |
| | | **Highest** | 0.7386 | 0.7386 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Energy | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 157.2226 | 157.2226 | 5.9800e-003 | 1.8600e-003 | 157.9265 |
| Mobile | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.4199 | 0.0000 | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.8401 | 10.5446 | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| **Total** | **0.4960** | **0.9688** | **3.2367** | **8.4900e-003** | **0.7442** | **0.0113** | **0.7555** | **0.1995** | **0.0108** | **0.2103** | **18.2601** | **917.9456** | **936.2057** | **1.1917** | **6.4200e-003** | **967.9106** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Energy | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 157.2226 | 157.2226 | 5.9800e-003 | 1.8600e-003 | 157.9265 |
| Mobile | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.4199 | 0.0000 | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.8401 | 10.5446 | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| **Total** | **0.4960** | **0.9688** | **3.2367** | **8.4900e-003** | **0.7442** | **0.0113** | **0.7555** | **0.1995** | **0.0108** | **0.2103** | **18.2601** | **917.9456** | **936.2057** | **1.1917** | **6.4200e-003** | **967.9106** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 2 - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | |
| 2 | Demolition | Demolition | 7/14/2021 | 7/13/2021 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 8/11/2021 | 8/10/2021 | 6 | 0 | |
| 4 | Grading | Grading | 8/14/2021 | 8/13/2021 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | |
| 6 | Paving | Paving | 6/28/2022 | 6/27/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,932; Non-Residential Outdoor: 14,644; Striped Parking Area: 0 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 2 - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 10.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 2.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1769 | 1.3864 | 1.2597 | 2.1600e-003 | | 0.0707 | 0.0707 | | 0.0677 | 0.0677 | 0.0000 | 179.6162 | 179.6162 | 0.0353 | 0.0000 | 180.4996 |
| **Total** | **0.1769** | **1.3864** | **1.2597** | **2.1600e-003** | | **0.0707** | **0.0707** | | **0.0677** | **0.0677** | **0.0000** | **179.6162** | **179.6162** | **0.0353** | **0.0000** | **180.4996** |

## 3.2 Building Construction - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.5100e-003 | 0.0500 | 0.0164 | 1.2000e-004 | 2.8100e-003 | 1.5000e-004 | 2.9600e-003 | 8.1000e-004 | 1.4000e-004 | 9.6000e-004 | 0.0000 | 10.9349 | 10.9349 | 2.0000e-004 | 0.0000 | 10.9398 |
| Worker | 4.0500e-003 | 2.4000e-003 | 0.0260 | 7.0000e-005 | 6.8100e-003 | 5.0000e-005 | 6.8600e-003 | 1.8100e-003 | 5.0000e-005 | 1.8600e-003 | 0.0000 | 5.8904 | 5.8904 | 1.7000e-004 | 0.0000 | 5.8947 |
| **Total** | **5.5600e-003** | **0.0524** | **0.0424** | **1.9000e-004** | **9.6200e-003** | **2.0000e-004** | **9.8200e-003** | **2.6200e-003** | **1.9000e-004** | **2.8200e-003** | **0.0000** | **16.8253** | **16.8253** | **3.7000e-004** | **0.0000** | **16.8345** |

### 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 | 0.1769 | 1.3864 | 1.2597 | 2.1600e-003 | | 0.0707 | 0.0707 | | 0.0677 | 0.0677 | 0.0000 | 179.6159 | 179.6159 | 0.0353 | 0.0000 | 180.4994 |
| **Total** | **0.1769** | **1.3864** | **1.2597** | **2.1600e-003** | | **0.0707** | **0.0707** | | **0.0677** | **0.0677** | **0.0000** | **179.6159** | **179.6159** | **0.0353** | **0.0000** | **180.4994** |

## 3.2 Building Construction - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.5100e-003 | 0.0500 | 0.0164 | 1.2000e-004 | 2.8100e-003 | 1.5000e-004 | 2.9600e-003 | 8.1000e-004 | 1.4000e-004 | 9.6000e-004 | 0.0000 | 10.9349 | 10.9349 | 2.0000e-004 | 0.0000 | 10.9398 |
| Worker | 4.0500e-003 | 2.4000e-003 | 0.0260 | 7.0000e-005 | 6.8100e-003 | 5.0000e-005 | 6.8600e-003 | 1.8100e-003 | 5.0000e-005 | 1.8600e-003 | 0.0000 | 5.8904 | 5.8904 | 1.7000e-004 | 0.0000 | 5.8947 |
| **Total** | **5.5600e-003** | **0.0524** | **0.0424** | **1.9000e-004** | **9.6200e-003** | **2.0000e-004** | **9.8200e-003** | **2.6200e-003** | **1.9000e-004** | **2.8200e-003** | **0.0000** | **16.8253** | **16.8253** | **3.7000e-004** | **0.0000** | **16.8345** |

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0436 | 0.3432 | 0.3373 | 5.9000e-004 | | 0.0165 | 0.0165 | | 0.0158 | 0.0158 | 0.0000 | 48.8048 | 48.8048 | 9.4200e-003 | 0.0000 | 49.0402 |
| **Total** | **0.0436** | **0.3432** | **0.3373** | **5.9000e-004** | | **0.0165** | **0.0165** | | **0.0158** | **0.0158** | **0.0000** | **48.8048** | **48.8048** | **9.4200e-003** | **0.0000** | **49.0402** |

## 3.2 Building Construction - 2022

### 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 | 3.8000e-004 | 0.0129 | 4.2000e-003 | 3.0000e-005 | 7.6000e-004 | 4.0000e-005 | 8.0000e-004 | 2.2000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.9492 | 2.9492 | 5.0000e-005 | 0.0000 | 2.9504 |
| Worker | 1.0400e-003 | 5.9000e-004 | 6.4600e-003 | 2.0000e-005 | 1.8500e-003 | 1.0000e-005 | 1.8600e-003 | 4.9000e-004 | 1.0000e-005 | 5.0000e-004 | 0.0000 | 1.5435 | 1.5435 | 4.0000e-005 | 0.0000 | 1.5445 |
| **Total** | **1.4200e-003** | **0.0135** | **0.0107** | **5.0000e-005** | **2.6100e-003** | **5.0000e-005** | **2.6600e-003** | **7.1000e-004** | **4.0000e-005** | **7.6000e-004** | **0.0000** | **4.4926** | **4.4926** | **9.0000e-005** | **0.0000** | **4.4949** |

### 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 | 0.0436 | 0.3432 | 0.3373 | 5.9000e-004 | | 0.0165 | 0.0165 | | 0.0158 | 0.0158 | 0.0000 | 48.8048 | 48.8048 | 9.4200e-003 | 0.0000 | 49.0402 |
| **Total** | **0.0436** | **0.3432** | **0.3373** | **5.9000e-004** | | **0.0165** | **0.0165** | | **0.0158** | **0.0158** | **0.0000** | **48.8048** | **48.8048** | **9.4200e-003** | **0.0000** | **49.0402** |

## 3.2 Building Construction - 2022

**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 | 3.8000e-004 | 0.0129 | 4.2000e-003 | 3.0000e-005 | 7.6000e-004 | 4.0000e-005 | 8.0000e-004 | 2.2000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.9492 | 2.9492 | 5.0000e-005 | 0.0000 | 2.9504 |
| Worker | 1.0400e-003 | 5.9000e-004 | 6.4600e-003 | 2.0000e-005 | 1.8500e-003 | 1.0000e-005 | 1.8600e-003 | 4.9000e-004 | 1.0000e-005 | 5.0000e-004 | 0.0000 | 1.5435 | 1.5435 | 4.0000e-005 | 0.0000 | 1.5445 |
| **Total** | **1.4200e-003** | **0.0135** | **0.0107** | **5.0000e-005** | **2.6100e-003** | **5.0000e-005** | **2.6600e-003** | **7.1000e-004** | **4.0000e-005** | **7.6000e-004** | **0.0000** | **4.4926** | **4.4926** | **9.0000e-005** | **0.0000** | **4.4949** |

## 3.3 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2021

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.0200e-003 | 7.0400e-003 | 9.0700e-003 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2787 |
| **Total** | **0.3404** | **7.0400e-003** | **9.0700e-003** | **1.0000e-005** | | **4.1000e-004** | **4.1000e-004** | | **4.1000e-004** | **4.1000e-004** | **0.0000** | **1.2766** | **1.2766** | **8.0000e-005** | **0.0000** | **1.2787** |

## 3.6 Architectural Coating - 2022

**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 | 4.0000e-005 | 2.0000e-005 | 2.7000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0657 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| **Total** | **4.0000e-005** | **2.0000e-005** | **2.7000e-004** | **0.0000** | **8.0000e-005** | **0.0000** | **8.0000e-005** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **0.0657** | **0.0657** | **0.0000** | **0.0000** | **0.0657** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.0200e-003 | 7.0400e-003 | 9.0700e-003 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2787 |
| **Total** | **0.3404** | **7.0400e-003** | **9.0700e-003** | **1.0000e-005** | | **4.1000e-004** | **4.1000e-004** | | **4.1000e-004** | **4.1000e-004** | **0.0000** | **1.2766** | **1.2766** | **8.0000e-005** | **0.0000** | **1.2787** |

## 3.6 Architectural Coating - 2022

**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 | 4.0000e-005 | 2.0000e-005 | 2.7000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0657 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| **Total** | **4.0000e-005** | **2.0000e-005** | **2.7000e-004** | **0.0000** | **8.0000e-005** | **0.0000** | **8.0000e-005** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **0.0657** | **0.0657** | **0.0000** | **0.0000** | **0.0657** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.7 Paving - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 3.7 Paving - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Unmitigated | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 58.91 | 58.91 | 58.91 | 114,390 | 114,390 |
| General Office Building | 50.85 | 11.34 | 4.84 | 92,320 | 92,320 |
| High Turnover (Sit Down Restaurant) | 659.91 | 821.94 | 684.25 | 796,560 | 796,560 |
| Regional Shopping Center | 597.37 | 699.08 | 353.11 | 1,011,670 | 1,011,670 |
| Total | 1,367.03 | 1,591.27 | 1,101.10 | 2,014,941 | 2,014,941 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 113.8055 | 113.8055 | 5.1500e-003 | 1.0600e-003 | 114.2514 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 113.8055 | 113.8055 | 5.1500e-003 | 1.0600e-003 | 114.2514 |
| NaturalGas Mitigated | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 43.4171 | 43.4171 | 8.3000e-004 | 8.0000e-004 | 43.6751 |
| NaturalGas Unmitigated | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 43.4171 | 43.4171 | 8.3000e-004 | 8.0000e-004 | 43.6751 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| General Office Building | 90020.8 | 4.9000e-004 | 4.4100e-003 | 3.7100e-003 | 3.0000e-005 | | 3.4000e-004 | 3.4000e-004 | | 3.4000e-004 | 3.4000e-004 | 0.0000 | 4.8039 | 4.8039 | 9.0000e-005 | 9.0000e-005 | 4.8324 |
| High Turnover (Sit Down Restaurant) | 603427 | 3.2500e-003 | 0.0296 | 0.0249 | 1.8000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 32.2011 | 32.2011 | 6.2000e-004 | 5.9000e-004 | 32.3925 |
| Regional Shopping Center | 100853 | 5.4000e-004 | 4.9400e-003 | 4.1500e-003 | 3.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 5.3819 | 5.3819 | 1.0000e-004 | 1.0000e-004 | 5.4139 |
| **Total** | | **4.3800e-003** | **0.0399** | **0.0335** | **2.5000e-004** | | **3.0400e-003** | **3.0400e-003** | | **3.0400e-003** | **3.0400e-003** | **0.0000** | **43.4171** | **43.4171** | **8.3000e-004** | **8.0000e-004** | **43.6751** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| General Office Building | 90020.8 | 4.9000e-004 | 4.4100e-003 | 3.7100e-003 | 3.0000e-005 | | 3.4000e-004 | 3.4000e-004 | | 3.4000e-004 | 3.4000e-004 | 0.0000 | 4.8039 | 4.8039 | 9.0000e-005 | 9.0000e-005 | 4.8324 |
| High Turnover (Sit Down Restaurant) | 603427 | 3.2500e-003 | 0.0296 | 0.0249 | 1.8000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 32.2011 | 32.2011 | 6.2000e-004 | 5.9000e-004 | 32.3925 |
| Regional Shopping Center | 100853 | 5.4000e-004 | 4.9400e-003 | 4.1500e-003 | 3.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 5.3819 | 5.3819 | 1.0000e-004 | 1.0000e-004 | 5.4139 |
| **Total** | | **4.3800e-003** | **0.0399** | **0.0335** | **2.5000e-004** | | **3.0400e-003** | **3.0400e-003** | | **3.0400e-003** | **3.0400e-003** | **0.0000** | **43.4171** | **43.4171** | **8.3000e-004** | **8.0000e-004** | **43.6751** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| General Office Building | 50953.4 | 14.8229 | 6.7000e-004 | 1.4000e-004 | 14.8810 |
| High Turnover (Sit Down Restaurant) | 127592 | 37.1180 | 1.6800e-003 | 3.5000e-004 | 37.2634 |
| Regional Shopping Center | 189118 | 55.0165 | 2.4900e-003 | 5.1000e-004 | 55.2321 |
| **Total** | | **113.8055** | **5.1500e-003** | **1.0600e-003** | **114.2514** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| General Office Building | 50953.4 | 14.8229 | 6.7000e-004 | 1.4000e-004 | 14.8810 |
| High Turnover (Sit Down Restaurant) | 127592 | 37.1180 | 1.6800e-003 | 3.5000e-004 | 37.2634 |
| Regional Shopping Center | 189118 | 55.0165 | 2.4900e-003 | 5.1000e-004 | 55.2321 |
| **Total** | | **113.8055** | **5.1500e-003** | **1.0600e-003** | **114.2514** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Unmitigated | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |

## 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 | 0.0339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1144 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| **Total** | **0.1483** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.2000e-004** | **5.2000e-004** | **0.0000** | **0.0000** | **5.6000e-004** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1144 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| **Total** | **0.1483** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.2000e-004** | **5.2000e-004** | **0.0000** | **0.0000** | **5.6000e-004** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| Unmitigated | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 2.36924 / 0.151228 | 4.6351 | 0.0774 | 1.8600e-003 | 7.1236 |
| General Office Building | 0.819353 / 0.502184 | 2.0610 | 0.0268 | 6.5000e-004 | 2.9234 |
| High Turnover (Sit Down Restaurant) | 1.57534 / 0.100554 | 3.0819 | 0.0515 | 1.2400e-003 | 4.7366 |
| Regional Shopping Center | 1.03627 / 0.635136 | 2.6067 | 0.0339 | 8.2000e-004 | 3.6974 |
| **Total** | | **12.3847** | **0.1895** | **4.5700e-003** | **18.4809** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 2.36924 / 0.151228 | 4.6351 | 0.0774 | 1.8600e-003 | 7.1236 |
| General Office Building | 0.819353 / 0.502184 | 2.0610 | 0.0268 | 6.5000e-004 | 2.9234 |
| High Turnover (Sit Down Restaurant) | 1.57534 / 0.100554 | 3.0819 | 0.0515 | 1.2400e-003 | 4.7366 |
| Regional Shopping Center | 1.03627 / 0.635136 | 2.6067 | 0.0339 | 8.2000e-004 | 3.6974 |
| **Total** | | **12.3847** | **0.1895** | **4.5700e-003** | **18.4809** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Unmitigated | 16.4199 | 0.9704 | 0.0000 | 40.6797 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| General Office Building | 4.29 | 0.8708 | 0.0515 | 0.0000 | 2.1575 |
| High Turnover (Sit Down Restaurant) | 61.76 | 12.5367 | 0.7409 | 0.0000 | 31.0592 |
| Regional Shopping Center | 14.69 | 2.9819 | 0.1762 | 0.0000 | 7.3876 |
| **Total** | | **16.4199** | **0.9704** | **0.0000** | **40.6797** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| General Office Building | 4.29 | 0.8708 | 0.0515 | 0.0000 | 2.1575 |
| High Turnover (Sit Down Restaurant) | 61.76 | 12.5367 | 0.7409 | 0.0000 | 31.0592 |
| Regional Shopping Center | 14.69 | 2.9819 | 0.1762 | 0.0000 | 7.3876 |
| **Total** | | **16.4199** | **0.9704** | **0.0000** | **40.6797** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 2

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 4.61 | 1000sqft | 0.11 | 4,607.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 5.19 | 1000sqft | 0.12 | 5,193.00 | 0 |
| Regional Shopping Center | 13.99 | 1000sqft | 0.32 | 13,988.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 -

Construction Phase - No demo, site prep, grading, or paving

Grading -

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

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 6.00 | 0.00 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 3.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 4,610.00 | 4,607.00 |
| tblLandUse | LandUseSquareFeet | 5,190.00 | 5,193.00 |
| tblLandUse | LandUseSquareFeet | 13,990.00 | 13,988.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 8.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 2.1132 | 16.6176 | 15.0674 | 0.0272 | 0.1158 | 0.8196 | 0.9354 | 0.0315 | 0.7853 | 0.8167 | 0.0000 | 2,510.6644 | 2,510.6644 | 0.4551 | 0.0000 | 2,522.0418 |
| 2022 | 68.0891 | 15.1623 | 14.8208 | 0.0271 | 0.1158 | 0.7043 | 0.8201 | 0.0315 | 0.6751 | 0.7066 | 0.0000 | 2,507.1101 | 2,507.1101 | 0.4460 | 0.0000 | 2,518.2603 |
| **Maximum** | **68.0891** | **16.6176** | **15.0674** | **0.0272** | **0.1158** | **0.8196** | **0.9354** | **0.0315** | **0.7853** | **0.8167** | **0.0000** | **2,510.6644** | **2,510.6644** | **0.4551** | **0.0000** | **2,522.0418** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 2.1132 | 16.6176 | 15.0674 | 0.0272 | 0.1158 | 0.8196 | 0.9354 | 0.0315 | 0.7853 | 0.8167 | 0.0000 | 2,510.6644 | 2,510.6644 | 0.4551 | 0.0000 | 2,522.0418 |
| 2022 | 68.0891 | 15.1623 | 14.8208 | 0.0271 | 0.1158 | 0.7043 | 0.8201 | 0.0315 | 0.6751 | 0.7066 | 0.0000 | 2,507.1101 | 2,507.1101 | 0.4460 | 0.0000 | 2,518.2603 |
| **Maximum** | **68.0891** | **16.6176** | **15.0674** | **0.0272** | **0.1158** | **0.8196** | **0.9354** | **0.0315** | **0.7853** | **0.8167** | **0.0000** | **2,510.6644** | **2,510.6644** | **0.4551** | **0.0000** | **2,522.0418** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Energy | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| Mobile | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| **Total** | **3.6500** | **6.0278** | **21.4115** | **0.0592** | **5.1120** | **0.0710** | **5.1830** | **1.3657** | **0.0674** | **1.4331** | | **6,071.5963** | **6,071.5963** | **0.1922** | **4.8100e-003** | **6,077.8342** |

## Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Energy | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| Mobile | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| **Total** | **3.6500** | **6.0278** | **21.4115** | **0.0592** | **5.1120** | **0.0710** | **5.1830** | **1.3657** | **0.0674** | **1.4331** | | **6,071.5963** | **6,071.5963** | **0.1922** | **4.8100e-003** | **6,077.8342** |

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

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | |
| 2 | Demolition | Demolition | 7/14/2021 | 7/13/2021 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 8/11/2021 | 8/10/2021 | 6 | 0 | |
| 4 | Grading | Grading | 8/14/2021 | 8/13/2021 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | |
| 6 | Paving | Paving | 6/28/2022 | 6/27/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,932; Non-Residential Outdoor: 14,644; Striped Parking Area: 0 (Architectural Coating – sqft)**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 10.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 2.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| **Total** | **2.0451** | **16.0275** | **14.5629** | **0.0250** | | **0.8173** | **0.8173** | | **0.7831** | **0.7831** | | **2,288.9355** | **2,288.9355** | **0.4503** | | **2,300.1935** |

## 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 | 0.0171 | 0.5658 | 0.1775 | 1.3400e-003 | 0.0336 | 1.7200e-003 | 0.0354 | 9.6700e-003 | 1.6400e-003 | 0.0113 | | 140.3988 | 140.3988 | 2.4000e-003 | | 140.4588 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 8.2000e-004 | 0.0822 | 6.0000e-004 | 0.0828 | 0.0218 | 5.5000e-004 | 0.0223 | | 81.3301 | 81.3301 | 2.3800e-003 | | 81.3895 |
| **Total** | **0.0681** | **0.5900** | **0.5045** | **2.1600e-003** | **0.1158** | **2.3200e-003** | **0.1181** | **0.0315** | **2.1900e-003** | **0.0337** | | **221.7289** | **221.7289** | **4.7800e-003** | | **221.8482** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | 0.0000 | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| **Total** | **2.0451** | **16.0275** | **14.5629** | **0.0250** | | **0.8173** | **0.8173** | | **0.7831** | **0.7831** | **0.0000** | **2,288.9355** | **2,288.9355** | **0.4503** | | **2,300.1935** |

**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 | 0.0171 | 0.5658 | 0.1775 | 1.3400e-003 | 0.0336 | 1.7200e-003 | 0.0354 | 9.6700e-003 | 1.6400e-003 | 0.0113 | | 140.3988 | 140.3988 | 2.4000e-003 | | 140.4588 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 8.2000e-004 | 0.0822 | 6.0000e-004 | 0.0828 | 0.0218 | 5.5000e-004 | 0.0223 | | 81.3301 | 81.3301 | 2.3800e-003 | | 81.3895 |
| **Total** | **0.0681** | **0.5900** | **0.5045** | **2.1600e-003** | **0.1158** | **2.3200e-003** | **0.1181** | **0.0315** | **2.1900e-003** | **0.0337** | | **221.7289** | **221.7289** | **4.7800e-003** | | **221.8482** |

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |
| **Total** | **1.8555** | **14.6040** | **14.3533** | **0.0250** | | **0.7022** | **0.7022** | | **0.6731** | **0.6731** | | **2,289.2813** | **2,289.2813** | **0.4417** | | **2,300.3230** |

## 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 | 0.0160 | 0.5364 | 0.1671 | 1.3300e-003 | 0.0336 | 1.5200e-003 | 0.0352 | 9.6700e-003 | 1.4600e-003 | 0.0111 | | 139.3854 | 139.3854 | 2.2100e-003 | | 139.4406 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 7.9000e-004 | 0.0822 | 5.8000e-004 | 0.0827 | 0.0218 | 5.3000e-004 | 0.0223 | | 78.4434 | 78.4434 | 2.1300e-003 | | 78.4967 |
| **Total** | **0.0642** | **0.5583** | **0.4675** | **2.1200e-003** | **0.1158** | **2.1000e-003** | **0.1179** | **0.0315** | **1.9900e-003** | **0.0335** | | **217.8289** | **217.8289** | **4.3400e-003** | | **217.9373** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | 0.0000 | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |
| **Total** | **1.8555** | **14.6040** | **14.3533** | **0.0250** | | **0.7022** | **0.7022** | | **0.6731** | **0.6731** | **0.0000** | **2,289.2813** | **2,289.2813** | **0.4417** | | **2,300.3230** |

**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 | 0.0160 | 0.5364 | 0.1671 | 1.3300e-003 | 0.0336 | 1.5200e-003 | 0.0352 | 9.6700e-003 | 1.4600e-003 | 0.0111 | | 139.3854 | 139.3854 | 2.2100e-003 | | 139.4406 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 7.9000e-004 | 0.0822 | 5.8000e-004 | 0.0827 | 0.0218 | 5.3000e-004 | 0.0223 | | 78.4434 | 78.4434 | 2.1300e-003 | | 78.4967 |
| **Total** | **0.0642** | **0.5583** | **0.4675** | **2.1200e-003** | **0.1158** | **2.1000e-003** | **0.1179** | **0.0315** | **1.9900e-003** | **0.0335** | | **217.8289** | **217.8289** | **4.3400e-003** | | **217.9373** |

## 3.3 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 67.8749 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **68.0795** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

## 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 | 9.6400e-003 | 4.3800e-003 | 0.0601 | 1.6000e-004 | 0.0164 | 1.2000e-004 | 0.0166 | 4.3600e-003 | 1.1000e-004 | 4.4600e-003 | | 15.6887 | 15.6887 | 4.3000e-004 | | 15.6994 |
| **Total** | **9.6400e-003** | **4.3800e-003** | **0.0601** | **1.6000e-004** | **0.0164** | **1.2000e-004** | **0.0166** | **4.3600e-003** | **1.1000e-004** | **4.4600e-003** | | **15.6887** | **15.6887** | **4.3000e-004** | | **15.6994** |

## 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 | 67.8749 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **68.0795** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | **0.0000** | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

**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 | 9.6400e-003 | 4.3800e-003 | 0.0601 | 1.6000e-004 | 0.0164 | 1.2000e-004 | 0.0166 | 4.3600e-003 | 1.1000e-004 | 4.4600e-003 | | 15.6887 | 15.6887 | 4.3000e-004 | | 15.6994 |
| **Total** | **9.6400e-003** | **4.3800e-003** | **0.0601** | **1.6000e-004** | **0.0164** | **1.2000e-004** | **0.0166** | **4.3600e-003** | **1.1000e-004** | **4.4600e-003** | | **15.6887** | **15.6887** | **4.3000e-004** | | **15.6994** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| Unmitigated | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 58.91 | 58.91 | 58.91 | 114,390 | 114,390 |
| General Office Building | 50.85 | 11.34 | 4.84 | 92,320 | 92,320 |
| High Turnover (Sit Down Restaurant) | 659.91 | 821.94 | 684.25 | 796,560 | 796,560 |
| Regional Shopping Center | 597.37 | 699.08 | 353.11 | 1,011,670 | 1,011,670 |
| Total | 1,367.03 | 1,591.27 | 1,101.10 | 2,014,941 | 2,014,941 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| NaturalGas Unmitigated | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |

## 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 | | | | | |
| Arena | 52.8904 | 5.7000e-004 | 5.1900e-003 | 4.3600e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | | 6.2224 | 6.2224 | 1.2000e-004 | 1.1000e-004 | 6.2594 |
| General Office Building | 246.632 | 2.6600e-003 | 0.0242 | 0.0203 | 1.5000e-004 | | 1.8400e-003 | 1.8400e-003 | | 1.8400e-003 | 1.8400e-003 | | 29.0156 | 29.0156 | 5.6000e-004 | 5.3000e-004 | 29.1880 |
| High Turnover (Sit Down Restaurant) | 1653.22 | 0.0178 | 0.1621 | 0.1362 | 9.7000e-004 | | 0.0123 | 0.0123 | | 0.0123 | 0.0123 | | 194.4969 | 194.4969 | 3.7300e-003 | 3.5700e-003 | 195.6527 |
| Regional Shopping Center | 276.311 | 2.9800e-003 | 0.0271 | 0.0228 | 1.6000e-004 | | 2.0600e-003 | 2.0600e-003 | | 2.0600e-003 | 2.0600e-003 | | 32.5072 | 32.5072 | 6.2000e-004 | 6.0000e-004 | 32.7003 |
| **Total** | | **0.0240** | **0.2185** | **0.1836** | **1.3100e-003** | | **0.0166** | **0.0166** | | **0.0166** | **0.0166** | | **262.2420** | **262.2420** | **5.0300e-003** | **4.8100e-003** | **263.8004** |

**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 | | | | | |
| Arena | 0.0528904 | 5.7000e-004 | 5.1900e-003 | 4.3600e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | | 6.2224 | 6.2224 | 1.2000e-004 | 1.1000e-004 | 6.2594 |
| General Office Building | 0.246632 | 2.6600e-003 | 0.0242 | 0.0203 | 1.5000e-004 | | 1.8400e-003 | 1.8400e-003 | | 1.8400e-003 | 1.8400e-003 | | 29.0156 | 29.0156 | 5.6000e-004 | 5.3000e-004 | 29.1880 |
| High Turnover (Sit Down Restaurant) | 1.65322 | 0.0178 | 0.1621 | 0.1362 | 9.7000e-004 | | 0.0123 | 0.0123 | | 0.0123 | 0.0123 | | 194.4969 | 194.4969 | 3.7300e-003 | 3.5700e-003 | 195.6527 |
| Regional Shopping Center | 0.276311 | 2.9800e-003 | 0.0271 | 0.0228 | 1.6000e-004 | | 2.0600e-003 | 2.0600e-003 | | 2.0600e-003 | 2.0600e-003 | | 32.5072 | 32.5072 | 6.2000e-004 | 6.0000e-004 | 32.7003 |
| **Total** | | **0.0240** | **0.2185** | **0.1836** | **1.3100e-003** | | **0.0166** | **0.0166** | | **0.0166** | **0.0166** | | **262.2420** | **262.2420** | **5.0300e-003** | **4.8100e-003** | **263.8004** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mitigated | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Unmitigated | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1860 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.8000e-004 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| **Total** | **0.8130** | **3.0000e-005** | **2.9900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **6.4100e-003** | **6.4100e-003** | **2.0000e-005** | | **6.8300e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1860 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.8000e-004 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| **Total** | **0.8130** | **3.0000e-005** | **2.9900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **6.4100e-003** | **6.4100e-003** | **2.0000e-005** | | **6.8300e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 3

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 8.84 | 1000sqft | 0.20 | 8,841.00 | 0 |
| Regional Shopping Center | 13.45 | 1000sqft | 0.31 | 13,447.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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

Montano - Construction Phase 3 - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use - Building's 1 and 2 retail sqft combined

Construction Phase - No demo, site prep, grading, or paving

Grading -

Off-road Equipment -

Off-road Equipment - No demo

Off-road Equipment - No site prep

Off-road Equipment - No grading

Off-road Equipment -

Off-road Equipment - No paving

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 2.00 | 0.00 |
| tblConstructionPhase | NumDays | 5.00 | 0.00 |
| tblConstructionPhase | NumDays | 1.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 8,840.00 | 8,841.00 |
| tblLandUse | LandUseSquareFeet | 13,450.00 | 13,447.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 18.00 |

## 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 | | | | | |
| 2022 | 0.2953 | 0.3776 | 0.3790 | 6.6000e-004 | 4.0700e-003 | 0.0189 | 0.0230 | 1.1100e-003 | 0.0174 | 0.0185 | 0.0000 | 58.0472 | 58.0472 | 0.0164 | 0.0000 | 58.4568 |
| **Maximum** | **0.2953** | **0.3776** | **0.3790** | **6.6000e-004** | **4.0700e-003** | **0.0189** | **0.0230** | **1.1100e-003** | **0.0174** | **0.0185** | **0.0000** | **58.0472** | **58.0472** | **0.0164** | **0.0000** | **58.4568** |

### 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 | | | | | |
| 2022 | 0.2953 | 0.3776 | 0.3790 | 6.6000e-004 | 4.0700e-003 | 0.0189 | 0.0230 | 1.1100e-003 | 0.0174 | 0.0185 | 0.0000 | 58.0472 | 58.0472 | 0.0164 | 0.0000 | 58.4568 |
| **Maximum** | **0.2953** | **0.3776** | **0.3790** | **6.6000e-004** | **4.0700e-003** | **0.0189** | **0.0230** | **1.1100e-003** | **0.0174** | **0.0185** | **0.0000** | **58.0472** | **58.0472** | **0.0164** | **0.0000** | **58.4568** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **6-1-2022** | **8-31-2022** | 0.3373 | 0.3373 |
| | | **Highest** | 0.3373 | 0.3373 |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Energy | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 95.7270 | 95.7270 | 3.9500e-003 | 1.0200e-003 | 96.1312 |
| Mobile | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 4.5348 | 0.0000 | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8145 | 5.6437 | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| **Total** | **0.2814** | **0.4998** | **1.7054** | **4.7200e-003** | **0.4246** | **5.5600e-003** | **0.4302** | **0.1138** | **5.2600e-003** | **0.1191** | **5.3494** | **524.0476** | **529.3970** | **0.3698** | **3.0500e-003** | **539.5513** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Energy | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 95.7270 | 95.7270 | 3.9500e-003 | 1.0200e-003 | 96.1312 |
| Mobile | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 4.5348 | 0.0000 | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8145 | 5.6437 | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| **Total** | **0.2814** | **0.4998** | **1.7054** | **4.7200e-003** | **0.4246** | **5.5600e-003** | **0.4302** | **0.1138** | **5.2600e-003** | **0.1191** | **5.3494** | **524.0476** | **529.3970** | **0.3698** | **3.0500e-003** | **539.5513** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 3 - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | |
| 2 | Demolition | Demolition | 6/1/2022 | 5/31/2022 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 6/15/2022 | 6/14/2022 | 6 | 0 | |
| 4 | Grading | Grading | 6/16/2022 | 6/15/2022 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | |
| 6 | Paving | Paving | 11/5/2022 | 11/4/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,432; Non-Residential Outdoor: 11,144; Striped Parking Area: 0 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 3 - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 0 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 7.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 5.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 1.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0343 | 0.3513 | 0.3576 | 5.7000e-004 | | 0.0186 | 0.0186 | | 0.0171 | 0.0171 | 0.0000 | 50.0739 | 50.0739 | 0.0162 | 0.0000 | 50.4787 |
| **Total** | **0.0343** | **0.3513** | **0.3576** | **5.7000e-004** | | **0.0186** | **0.0186** | | **0.0171** | **0.0171** | **0.0000** | **50.0739** | **50.0739** | **0.0162** | **0.0000** | **50.4787** |

## 3.2 Building Construction - 2022

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.5000e-004 | 0.0219 | 7.1500e-003 | 5.0000e-005 | 1.3000e-003 | 6.0000e-005 | 1.3600e-003 | 3.8000e-004 | 6.0000e-005 | 4.3000e-004 | 0.0000 | 5.0198 | 5.0198 | 8.0000e-005 | 0.0000 | 5.0219 |
| Worker | 1.5500e-003 | 8.7000e-004 | 9.6200e-003 | 3.0000e-005 | 2.7600e-003 | 2.0000e-005 | 2.7800e-003 | 7.3000e-004 | 2.0000e-005 | 7.5000e-004 | 0.0000 | 2.2988 | 2.2988 | 6.0000e-005 | 0.0000 | 2.3004 |
| **Total** | **2.2000e-003** | **0.0228** | **0.0168** | **8.0000e-005** | **4.0600e-003** | **8.0000e-005** | **4.1400e-003** | **1.1100e-003** | **8.0000e-005** | **1.1800e-003** | **0.0000** | **7.3186** | **7.3186** | **1.4000e-004** | **0.0000** | **7.3223** |

### 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 | 0.0343 | 0.3513 | 0.3576 | 5.7000e-004 | | 0.0186 | 0.0186 | | 0.0171 | 0.0171 | 0.0000 | 50.0738 | 50.0738 | 0.0162 | 0.0000 | 50.4787 |
| **Total** | **0.0343** | **0.3513** | **0.3576** | **5.7000e-004** | | **0.0186** | **0.0186** | | **0.0171** | **0.0171** | **0.0000** | **50.0738** | **50.0738** | **0.0162** | **0.0000** | **50.4787** |

## 3.2 Building Construction - 2022

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.5000e-004 | 0.0219 | 7.1500e-003 | 5.0000e-005 | 1.3000e-003 | 6.0000e-005 | 1.3600e-003 | 3.8000e-004 | 6.0000e-005 | 4.3000e-004 | 0.0000 | 5.0198 | 5.0198 | 8.0000e-005 | 0.0000 | 5.0219 |
| Worker | 1.5500e-003 | 8.7000e-004 | 9.6200e-003 | 3.0000e-005 | 2.7600e-003 | 2.0000e-005 | 2.7800e-003 | 7.3000e-004 | 2.0000e-005 | 7.5000e-004 | 0.0000 | 2.2988 | 2.2988 | 6.0000e-005 | 0.0000 | 2.3004 |
| **Total** | **2.2000e-003** | **0.0228** | **0.0168** | **8.0000e-005** | **4.0600e-003** | **8.0000e-005** | **4.1400e-003** | **1.1100e-003** | **8.0000e-005** | **1.1800e-003** | **0.0000** | **7.3186** | **7.3186** | **1.4000e-004** | **0.0000** | **7.3223** |

## 3.3 Demolition - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.1000e-004 | 3.5200e-003 | 4.5300e-003 | 1.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| **Total** | **0.2588** | **3.5200e-003** | **4.5300e-003** | **1.0000e-005** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | **0.0000** | **0.6383** | **0.6383** | **4.0000e-005** | **0.0000** | **0.6394** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0164 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **7.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0164** | **0.0164** | **0.0000** | **0.0000** | **0.0164** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.1000e-004 | 3.5200e-003 | 4.5300e-003 | 1.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| **Total** | **0.2588** | **3.5200e-003** | **4.5300e-003** | **1.0000e-005** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | **0.0000** | **0.6383** | **0.6383** | **4.0000e-005** | **0.0000** | **0.6394** |

## 3.6 Architectural Coating - 2022

**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 | 1.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0164 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **7.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0164** | **0.0164** | **0.0000** | **0.0000** | **0.0164** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.7 Paving - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 3.7 Paving - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Unmitigated | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 97.51 | 21.75 | 9.28 | 177,031 | 177,031 |
| Regional Shopping Center | 574.32 | 672.10 | 339.48 | 972,621 | 972,621 |
| Total | 671.82 | 693.84 | 348.76 | 1,149,652 | 1,149,652 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 81.3345 | 81.3345 | 3.6800e-003 | 7.6000e-004 | 81.6532 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 81.3345 | 81.3345 | 3.6800e-003 | 7.6000e-004 | 81.6532 |
| NaturalGas Mitigated | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 14.3925 | 14.3925 | 2.8000e-004 | 2.6000e-004 | 14.4781 |
| NaturalGas Unmitigated | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 14.3925 | 14.3925 | 2.8000e-004 | 2.6000e-004 | 14.4781 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 172753 | 9.3000e-004 | 8.4700e-003 | 7.1100e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | 0.0000 | 9.2188 | 9.2188 | 1.8000e-004 | 1.7000e-004 | 9.2736 |
| Regional Shopping Center | 96952.9 | 5.2000e-004 | 4.7500e-003 | 3.9900e-003 | 3.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 5.1738 | 5.1738 | 1.0000e-004 | 9.0000e-005 | 5.2045 |
| **Total** | | **1.4500e-003** | **0.0132** | **0.0111** | **8.0000e-005** | | **1.0000e-003** | **1.0000e-003** | | **1.0000e-003** | **1.0000e-003** | **0.0000** | **14.3925** | **14.3925** | **2.8000e-004** | **2.6000e-004** | **14.4781** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 172753 | 9.3000e-004 | 8.4700e-003 | 7.1100e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | 0.0000 | 9.2188 | 9.2188 | 1.8000e-004 | 1.7000e-004 | 9.2736 |
| Regional Shopping Center | 96952.9 | 5.2000e-004 | 4.7500e-003 | 3.9900e-003 | 3.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 5.1738 | 5.1738 | 1.0000e-004 | 9.0000e-005 | 5.2045 |
| **Total** | | **1.4500e-003** | **0.0132** | **0.0111** | **8.0000e-005** | | **1.0000e-003** | **1.0000e-003** | | **1.0000e-003** | **1.0000e-003** | **0.0000** | **14.3925** | **14.3925** | **2.8000e-004** | **2.6000e-004** | **14.4781** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 97781.5 | 28.4458 | 1.2900e-003 | 2.7000e-004 | 28.5572 |
| Regional Shopping Center | 181803 | 52.8887 | 2.3900e-003 | 4.9000e-004 | 53.0959 |
| **Total** | | **81.3345** | **3.6800e-003** | **7.6000e-004** | **81.6532** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 97781.5 | 28.4458 | 1.2900e-003 | 2.7000e-004 | 28.5572 |
| Regional Shopping Center | 181803 | 52.8887 | 2.3900e-003 | 4.9000e-004 | 53.0959 |
| **Total** | | **81.3345** | **3.6800e-003** | **7.6000e-004** | **81.6532** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Unmitigated | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |

## 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 | 0.0258 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0871 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| **Total** | **0.1129** | **0.0000** | **2.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **4.0000e-004** | **4.0000e-004** | **0.0000** | **0.0000** | **4.2000e-004** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0258 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0871 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| **Total** | **0.1129** | **0.0000** | **2.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **4.0000e-004** | **4.0000e-004** | **0.0000** | **0.0000** | **4.2000e-004** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| Unmitigated | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.57117 / 0.962973 | 3.9522 | 0.0514 | 1.2400e-003 | 5.6058 |
| Regional Shopping Center | 0.996275 / 0.61062 | 2.5061 | 0.0326 | 7.9000e-004 | 3.5547 |
| **Total** | | **6.4582** | **0.0839** | **2.0300e-003** | **9.1605** |

### 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.57117 / 0.962973 | 3.9522 | 0.0514 | 1.2400e-003 | 5.6058 |
| Regional Shopping Center | 0.996275 / 0.61062 | 2.5061 | 0.0326 | 7.9000e-004 | 3.5547 |
| **Total** | | **6.4582** | **0.0839** | **2.0300e-003** | **9.1605** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Unmitigated | 4.5348 | 0.2680 | 0.0000 | 11.2348 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Office Building | 8.22 | 1.6686 | 0.0986 | 0.0000 | 4.1339 |
| Regional Shopping Center | 14.12 | 2.8662 | 0.1694 | 0.0000 | 7.1010 |
| **Total** | | **4.5348** | **0.2680** | **0.0000** | **11.2348** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Office Building | 8.22 | 1.6686 | 0.0986 | 0.0000 | 4.1339 |
| Regional Shopping Center | 14.12 | 2.8662 | 0.1694 | 0.0000 | 7.1010 |
| **Total** | | **4.5348** | **0.2680** | **0.0000** | **11.2348** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 3

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 8.84 | 1000sqft | 0.20 | 8,841.00 | 0 |
| Regional Shopping Center | 13.45 | 1000sqft | 0.31 | 13,447.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Building's 1 and 2 retail sqft combined

Construction Phase - No demo, site prep, grading, or paving

Grading -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 2.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 5.00 | 0.00 |
| tblConstructionPhase | NumDays | 1.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 8,840.00 | 8,841.00 |
| tblLandUse | LandUseSquareFeet | 13,450.00 | 13,447.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |

| | | | |
|---|---|---|---|
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 18.00 |

## 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 | | | | | |
| 2022 | 103.5142 | 7.4702 | 7.4967 | 0.0130 | 0.0844 | 0.3736 | 0.4580 | 0.0230 | 0.3437 | 0.3667 | 0.0000 | 1,270.3581 | 1,270.3581 | 0.3603 | 0.0000 | 1,279.3654 |
| **Maximum** | **103.5142** | **7.4702** | **7.4967** | **0.0130** | **0.0844** | **0.3736** | **0.4580** | **0.0230** | **0.3437** | **0.3667** | **0.0000** | **1,270.3581** | **1,270.3581** | **0.3603** | **0.0000** | **1,279.3654** |

**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 | | | | | |
| 2022 | 103.5142 | 7.4702 | 7.4967 | 0.0130 | 0.0844 | 0.3736 | 0.4580 | 0.0230 | 0.3437 | 0.3667 | 0.0000 | 1,270.3581 | 1,270.3581 | 0.3603 | 0.0000 | 1,279.3654 |
| **Maximum** | **103.5142** | **7.4702** | **7.4967** | **0.0130** | **0.0844** | **0.3736** | **0.4580** | **0.0230** | **0.3437** | **0.3667** | **0.0000** | **1,270.3581** | **1,270.3581** | **0.3603** | **0.0000** | **1,279.3654** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Energy | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| Mobile | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |
| **Total** | **2.0138** | **3.1761** | **11.7511** | **0.0339** | **2.9873** | **0.0363** | **3.0235** | **0.7981** | **0.0342** | **0.8323** | | **3,440.7025** | **3,440.7025** | **0.1060** | **1.5900e-003** | **3,443.8272** |

## Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Energy | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| Mobile | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |
| **Total** | **2.0138** | **3.1761** | **11.7511** | **0.0339** | **2.9873** | **0.0363** | **3.0235** | **0.7981** | **0.0342** | **0.8323** | | **3,440.7025** | **3,440.7025** | **0.1060** | **1.5900e-003** | **3,443.8272** |

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

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | |
| 2 | Demolition | Demolition | 6/1/2022 | 5/31/2022 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 6/15/2022 | 6/14/2022 | 6 | 0 | |
| 4 | Grading | Grading | 6/16/2022 | 6/15/2022 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | |
| 6 | Paving | Paving | 11/5/2022 | 11/4/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,432; Non-Residential Outdoor: 11,144; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 0 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 7.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 5.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 1.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6863 | 7.0258 | 7.1527 | 0.0114 | | 0.3719 | 0.3719 | | 0.3422 | 0.3422 | | 1,103.9393 | 1,103.9393 | 0.3570 | | 1,112.8652 |
| **Total** | **0.6863** | **7.0258** | **7.1527** | **0.0114** | | **0.3719** | **0.3719** | | **0.3422** | **0.3422** | | **1,103.9393** | **1,103.9393** | **0.3570** | | **1,112.8652** |

## 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 | 0.0128 | 0.4291 | 0.1337 | 1.0700e-003 | 0.0269 | 1.2200e-003 | 0.0281 | 7.7400e-003 | 1.1700e-003 | 8.9000e-003 | | 111.5083 | 111.5083 | 1.7600e-003 | | 111.5525 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 5.5000e-004 | 0.0575 | 4.1000e-004 | 0.0579 | 0.0153 | 3.7000e-004 | 0.0156 | | 54.9104 | 54.9104 | 1.4900e-003 | | 54.9477 |
| **Total** | **0.0465** | **0.4444** | **0.3440** | **1.6200e-003** | **0.0844** | **1.6300e-003** | **0.0860** | **0.0230** | **1.5400e-003** | **0.0245** | | **166.4187** | **166.4187** | **3.2500e-003** | | **166.5002** |

## 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 | 0.6863 | 7.0258 | 7.1527 | 0.0114 | | 0.3719 | 0.3719 | | 0.3422 | 0.3422 | 0.0000 | 1,103.9393 | 1,103.9393 | 0.3570 | | 1,112.8652 |
| **Total** | **0.6863** | **7.0258** | **7.1527** | **0.0114** | | **0.3719** | **0.3719** | | **0.3422** | **0.3422** | **0.0000** | **1,103.9393** | **1,103.9393** | **0.3570** | | **1,112.8652** |

**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 | 0.0128 | 0.4291 | 0.1337 | 1.0700e-003 | 0.0269 | 1.2200e-003 | 0.0281 | 7.7400e-003 | 1.1700e-003 | 8.9000e-003 | | 111.5083 | 111.5083 | 1.7600e-003 | | 111.5525 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 5.5000e-004 | 0.0575 | 4.1000e-004 | 0.0579 | 0.0153 | 3.7000e-004 | 0.0156 | | 54.9104 | 54.9104 | 1.4900e-003 | | 54.9477 |
| **Total** | **0.0465** | **0.4444** | **0.3440** | **1.6200e-003** | **0.0844** | **1.6300e-003** | **0.0860** | **0.0230** | **1.5400e-003** | **0.0245** | | **166.4187** | **166.4187** | **3.2500e-003** | | **166.5002** |

## 3.3 Demolition - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 103.3049 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **103.5094** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

## 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 | 4.8200e-003 | 2.1900e-003 | 0.0300 | 8.0000e-005 | 8.2100e-003 | 6.0000e-005 | 8.2700e-003 | 2.1800e-003 | 5.0000e-005 | 2.2300e-003 | | 7.8443 | 7.8443 | 2.1000e-004 | | 7.8497 |
| **Total** | **4.8200e-003** | **2.1900e-003** | **0.0300** | **8.0000e-005** | **8.2100e-003** | **6.0000e-005** | **8.2700e-003** | **2.1800e-003** | **5.0000e-005** | **2.2300e-003** | | **7.8443** | **7.8443** | **2.1000e-004** | | **7.8497** |

## 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 | 103.3049 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **103.5094** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | **0.0000** | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

**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 | 4.8200e-003 | 2.1900e-003 | 0.0300 | 8.0000e-005 | 8.2100e-003 | 6.0000e-005 | 8.2700e-003 | 2.1800e-003 | 5.0000e-005 | 2.2300e-003 | | 7.8443 | 7.8443 | 2.1000e-004 | | 7.8497 |
| **Total** | **4.8200e-003** | **2.1900e-003** | **0.0300** | **8.0000e-005** | **8.2100e-003** | **6.0000e-005** | **8.2700e-003** | **2.1800e-003** | **5.0000e-005** | **2.2300e-003** | | **7.8443** | **7.8443** | **2.1000e-004** | | **7.8497** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mitigated | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |
| Unmitigated | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 97.51 | 21.75 | 9.28 | 177,031 | 177,031 |
| Regional Shopping Center | 574.32 | 672.10 | 339.48 | 972,621 | 972,621 |
| Total | 671.82 | 693.84 | 348.76 | 1,149,652 | 1,149,652 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| NaturalGas Unmitigated | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |

## 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 | 473.296 | 5.1000e-003 | 0.0464 | 0.0390 | 2.8000e-004 | | 3.5300e-003 | 3.5300e-003 | | 3.5300e-003 | 3.5300e-003 | | 55.6819 | 55.6819 | 1.0700e-003 | 1.0200e-003 | 56.0128 |
| Regional Shopping Center | 265.624 | 2.8600e-003 | 0.0260 | 0.0219 | 1.6000e-004 | | 1.9800e-003 | 1.9800e-003 | | 1.9800e-003 | 1.9800e-003 | | 31.2499 | 31.2499 | 6.0000e-004 | 5.7000e-004 | 31.4356 |
| **Total** | | **7.9600e-003** | **0.0724** | **0.0609** | **4.4000e-004** | | **5.5100e-003** | **5.5100e-003** | | **5.5100e-003** | **5.5100e-003** | | **86.9318** | **86.9318** | **1.6700e-003** | **1.5900e-003** | **87.4484** |

**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 | 0.473296 | 5.1000e-003 | 0.0464 | 0.0390 | 2.8000e-004 | | 3.5300e-003 | 3.5300e-003 | | 3.5300e-003 | 3.5300e-003 | | 55.6819 | 55.6819 | 1.0700e-003 | 1.0200e-003 | 56.0128 |
| Regional Shopping Center | 0.265624 | 2.8600e-003 | 0.0260 | 0.0219 | 1.6000e-004 | | 1.9800e-003 | 1.9800e-003 | | 1.9800e-003 | 1.9800e-003 | | 31.2499 | 31.2499 | 6.0000e-004 | 5.7000e-004 | 31.4356 |
| **Total** | | **7.9600e-003** | **0.0724** | **0.0609** | **4.4000e-004** | | **5.5100e-003** | **5.5100e-003** | | **5.5100e-003** | **5.5100e-003** | | **86.9318** | **86.9318** | **1.6700e-003** | **1.5900e-003** | **87.4484** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Unmitigated | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1415 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4770 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.1000e-004 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| **Total** | **0.6187** | **2.0000e-005** | **2.2800e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.8800e-003** | **4.8800e-003** | **1.0000e-005** | | **5.2000e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1415 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4770 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.1000e-004 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.6187** | **2.0000e-005** | **2.2800e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.8800e-003** | **4.8800e-003** | **1.0000e-005** | | **5.2000e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 1 - HRA Mitigation

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 4.71 | 1000sqft | 0.11 | 4,710.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 4.34 | 1000sqft | 0.10 | 4,340.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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

Montano - Construction Phase 1 - HRA Mitigation - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use - Adjusted hotel acreage based on 4-story building

Construction Phase - Adjusted grading phasing to one year

Off-road Equipment -

Off-road Equipment - No Demo

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added trenching equipment since defaults are not provided

Grading - Adjusted total acres graded

Construction Off-road Equipment Mitigation - HRA mitigation: Tier 4 for equipment over 50 hp

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 9.00 |
| 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 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 315.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 787.50 | 16.80 |
| tblGrading | MaterialExported | 0.00 | 140,000.00 |
| tblGrading | MaterialImported | 0.00 | 43,000.00 |
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

## 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 | | | | | |
| 2020 | 1.1391 | 13.8604 | 8.6329 | 0.0235 | 1.4016 | 0.4737 | 1.8753 | 0.6590 | 0.4388 | 1.0978 | 0.0000 | 2,127.4416 | 2,127.4416 | 0.3484 | 0.0000 | 2,136.1523 |
| 2021 | 1.4463 | 1.8694 | 1.6725 | 4.1000e-003 | 0.2691 | 0.0690 | 0.3381 | 0.0780 | 0.0646 | 0.1426 | 0.0000 | 369.0543 | 369.0543 | 0.0486 | 0.0000 | 370.2694 |
| **Maximum** | **1.4463** | **13.8604** | **8.6329** | **0.0235** | **1.4016** | **0.4737** | **1.8753** | **0.6590** | **0.4388** | **1.0978** | **0.0000** | **2,127.4416** | **2,127.4416** | **0.3484** | **0.0000** | **2,136.1523** |

### 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 | | | | | |
| 2020 | 0.4091 | 4.8735 | 8.8757 | 0.0235 | 1.4016 | 0.0474 | 1.4490 | 0.6590 | 0.0466 | 0.7056 | 0.0000 | 2,127.4403 | 2,127.4403 | 0.3484 | 0.0000 | 2,136.1511 |
| 2021 | 1.3501 | 0.7667 | 1.7661 | 4.1000e-003 | 0.2691 | 9.0200e-003 | 0.2781 | 0.0780 | 8.8900e-003 | 0.0869 | 0.0000 | 369.0541 | 369.0541 | 0.0486 | 0.0000 | 370.2691 |
| **Maximum** | **1.3501** | **4.8735** | **8.8757** | **0.0235** | **1.4016** | **0.0474** | **1.4490** | **0.6590** | **0.0466** | **0.7056** | **0.0000** | **2,127.4403** | **2,127.4403** | **0.3484** | **0.0000** | **2,136.1511** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **31.96** | **64.14** | **-3.26** | **0.00** | **0.00** | **89.60** | **21.97** | **0.00** | **88.98** | **36.11** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **1-1-2020** | **3-31-2020** | 2.7593 | 0.8391 |
| **2** | **4-1-2020** | **6-30-2020** | 3.6208 | 1.2520 |
| **3** | **7-1-2020** | **9-30-2020** | 4.2456 | 1.5461 |
| **4** | **10-1-2020** | **12-31-2020** | 4.2878 | 1.5884 |
| **5** | **1-1-2021** | **3-31-2021** | 1.5692 | 0.6926 |
| **6** | **4-1-2021** | **6-30-2021** | 1.7398 | 1.4139 |
| | | **Highest** | 4.2878 | 1.5884 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Energy | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 689.3995 | 689.3995 | 0.0267 | 7.9800e-003 | 692.4449 |
| Mobile | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 67.6183 | 0.0000 | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4202 | 18.1964 | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| **Total** | **2.3548** | **4.7290** | **15.7353** | **0.0382** | **3.3111** | **0.0503** | **3.3614** | **0.8877** | **0.0477** | **0.9354** | **71.0385** | **4,099.2201** | **4,170.2586** | **4.4980** | **0.0164** | **4,287.6069** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Energy | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 689.3995 | 689.3995 | 0.0267 | 7.9800e-003 | 692.4449 |
| Mobile | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 67.6183 | 0.0000 | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4202 | 18.1964 | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| **Total** | **2.3548** | **4.7290** | **15.7353** | **0.0382** | **3.3111** | **0.0503** | **3.3614** | **0.8877** | **0.0477** | **0.9354** | **71.0385** | **4,099.2201** | **4,170.2586** | **4.4980** | **0.0164** | **4,287.6069** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 1 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2020 | 12/31/2019 | 6 | 0 | |
| 2 | Site Preparation | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | |
| 3 | Grading | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | |
| 4 | Trenching | Trenching | 5/1/2020 | 5/12/2020 | 6 | 10 | |
| 5 | Building Construction | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | |
| 6 | Paving | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | |
| 7 | Architectural Coating | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | |

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

**Acres of Grading (Grading Phase): 16.8**

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,095; Non-Residential Outdoor: 47,365; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 1 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Trenching | Trenchers | 1 | 8.00 | 78 | 0.50 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 18,094.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Trenching | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 204.00 | 81.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.3 Site Preparation - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0204 | 0.2121 | 0.1076 | 1.9000e-004 | | 0.0110 | 0.0110 | | 0.0101 | 0.0101 | 0.0000 | 16.7153 | 16.7153 | 5.4100e-003 | 0.0000 | 16.8505 |
| **Total** | **0.0204** | **0.2121** | **0.1076** | **1.9000e-004** | **0.0903** | **0.0110** | **0.1013** | **0.0497** | **0.0101** | **0.0598** | **0.0000** | **16.7153** | **16.7153** | **5.4100e-003** | **0.0000** | **16.8505** |

## 3.3 Site Preparation - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 4.5000e-004 | 2.8000e-004 | 2.9700e-003 | 1.0000e-005 | 7.1000e-004 | 1.0000e-005 | 7.1000e-004 | 1.9000e-004 | 1.0000e-005 | 1.9000e-004 | 0.0000 | 0.6344 | 0.6344 | 2.0000e-005 | 0.0000 | 0.6349 |
| **Total** | **4.5000e-004** | **2.8000e-004** | **2.9700e-003** | **1.0000e-005** | **7.1000e-004** | **1.0000e-005** | **7.1000e-004** | **1.9000e-004** | **1.0000e-005** | **1.9000e-004** | **0.0000** | **0.6344** | **0.6344** | **2.0000e-005** | **0.0000** | **0.6349** |

### 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 | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.3300e-003 | 0.0101 | 0.1043 | 1.9000e-004 | | 3.1000e-004 | 3.1000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 16.7153 | 16.7153 | 5.4100e-003 | 0.0000 | 16.8505 |
| **Total** | **2.3300e-003** | **0.0101** | **0.1043** | **1.9000e-004** | **0.0903** | **3.1000e-004** | **0.0906** | **0.0497** | **3.1000e-004** | **0.0500** | **0.0000** | **16.7153** | **16.7153** | **5.4100e-003** | **0.0000** | **16.8505** |

## 3.3 Site Preparation - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 4.5000e-004 | 2.8000e-004 | 2.9700e-003 | 1.0000e-005 | 7.1000e-004 | 1.0000e-005 | 7.1000e-004 | 1.9000e-004 | 1.0000e-005 | 1.9000e-004 | 0.0000 | 0.6344 | 0.6344 | 2.0000e-005 | 0.0000 | 0.6349 |
| **Total** | **4.5000e-004** | **2.8000e-004** | **2.9700e-003** | **1.0000e-005** | **7.1000e-004** | **1.0000e-005** | **7.1000e-004** | **1.9000e-004** | **1.0000e-005** | **1.9000e-004** | **0.0000** | **0.6344** | **0.6344** | **2.0000e-005** | **0.0000** | **0.6349** |

## 3.4 Grading - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.6764 | 7.6300 | 4.8577 | 9.4200e-003 | | 0.3304 | 0.3304 | | 0.3040 | 0.3040 | 0.0000 | 828.1613 | 828.1613 | 0.2678 | 0.0000 | 834.8574 |
| **Total** | **0.6764** | **7.6300** | **4.8577** | **9.4200e-003** | **0.9243** | **0.3304** | **1.2547** | **0.5041** | **0.3040** | **0.8081** | **0.0000** | **828.1613** | **828.1613** | **0.2678** | **0.0000** | **834.8574** |

## 3.4 Grading - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 7.1400e-003 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 0.0000 | 677.2948 | 677.2948 | 8.6700e-003 | 0.0000 | 677.5115 |
| 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 | 0.0151 | 9.3700e-003 | 0.1003 | 2.4000e-004 | 0.0239 | 1.9000e-004 | 0.0241 | 6.3700e-003 | 1.7000e-004 | 6.5400e-003 | 0.0000 | 21.4286 | 21.4286 | 6.8000e-004 | 0.0000 | 21.4457 |
| **Total** | **0.0914** | **2.9893** | **0.9483** | **7.3800e-003** | **0.1730** | **0.0120** | **0.1850** | **0.0471** | **0.0115** | **0.0586** | **0.0000** | **698.7234** | **698.7234** | **9.3500e-003** | **0.0000** | **698.9572** |

### 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 | | | | | 0.9243 | 0.0000 | 0.9243 | 0.5041 | 0.0000 | 0.5041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1158 | 0.5016 | 5.0159 | 9.4200e-003 | | 0.0154 | 0.0154 | | 0.0154 | 0.0154 | 0.0000 | 828.1603 | 828.1603 | 0.2678 | 0.0000 | 834.8564 |
| **Total** | **0.1158** | **0.5016** | **5.0159** | **9.4200e-003** | **0.9243** | **0.0154** | **0.9397** | **0.5041** | **0.0154** | **0.5196** | **0.0000** | **828.1603** | **828.1603** | **0.2678** | **0.0000** | **834.8564** |

## 3.4 Grading - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0763 | 2.9799 | 0.8479 | 7.1400e-003 | 0.1490 | 0.0118 | 0.1609 | 0.0407 | 0.0113 | 0.0521 | 0.0000 | 677.2948 | 677.2948 | 8.6700e-003 | 0.0000 | 677.5115 |
| 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 | 0.0151 | 9.3700e-003 | 0.1003 | 2.4000e-004 | 0.0239 | 1.9000e-004 | 0.0241 | 6.3700e-003 | 1.7000e-004 | 6.5400e-003 | 0.0000 | 21.4286 | 21.4286 | 6.8000e-004 | 0.0000 | 21.4457 |
| **Total** | **0.0914** | **2.9893** | **0.9483** | **7.3800e-003** | **0.1730** | **0.0120** | **0.1850** | **0.0471** | **0.0115** | **0.0586** | **0.0000** | **698.7234** | **698.7234** | **9.3500e-003** | **0.0000** | **698.9572** |

## 3.4 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0231 | 0.2552 | 0.1698 | 3.4000e-004 | | 0.0109 | 0.0109 | | 0.0101 | 0.0101 | 0.0000 | 29.9722 | 29.9722 | 9.6900e-003 | 0.0000 | 30.2146 |
| **Total** | **0.0231** | **0.2552** | **0.1698** | **3.4000e-004** | **0.0420** | **0.0109** | **0.0530** | **0.0192** | **0.0101** | **0.0292** | **0.0000** | **29.9722** | **29.9722** | **9.6900e-003** | **0.0000** | **30.2146** |

## 3.4 Grading - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6200e-003 | 0.1000 | 0.0288 | 2.6000e-004 | 0.1152 | 3.9000e-004 | 0.1155 | 0.0284 | 3.7000e-004 | 0.0288 | 0.0000 | 24.2693 | 24.2693 | 2.9000e-004 | 0.0000 | 24.2765 |
| 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 | 5.2000e-004 | 3.0000e-004 | 3.3000e-003 | 1.0000e-005 | 8.7000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7491 | 0.7491 | 2.0000e-005 | 0.0000 | 0.7496 |
| **Total** | **3.1400e-003** | **0.1003** | **0.0321** | **2.7000e-004** | **0.1160** | **4.0000e-004** | **0.1164** | **0.0286** | **3.8000e-004** | **0.0290** | **0.0000** | **25.0183** | **25.0183** | **3.1000e-004** | **0.0000** | **25.0261** |

### 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 | | | | | 0.0420 | 0.0000 | 0.0420 | 0.0192 | 0.0000 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.1900e-003 | 0.0182 | 0.1815 | 3.4000e-004 | | 5.6000e-004 | 5.6000e-004 | | 5.6000e-004 | 5.6000e-004 | 0.0000 | 29.9722 | 29.9722 | 9.6900e-003 | 0.0000 | 30.2145 |
| **Total** | **4.1900e-003** | **0.0182** | **0.1815** | **3.4000e-004** | **0.0420** | **5.6000e-004** | **0.0426** | **0.0192** | **5.6000e-004** | **0.0197** | **0.0000** | **29.9722** | **29.9722** | **9.6900e-003** | **0.0000** | **30.2145** |

## 3.4 Grading - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6200e-003 | 0.1000 | 0.0288 | 2.6000e-004 | 0.1152 | 3.9000e-004 | 0.1155 | 0.0284 | 3.7000e-004 | 0.0288 | 0.0000 | 24.2693 | 24.2693 | 2.9000e-004 | 0.0000 | 24.2765 |
| 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 | 5.2000e-004 | 3.0000e-004 | 3.3000e-003 | 1.0000e-005 | 8.7000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7491 | 0.7491 | 2.0000e-005 | 0.0000 | 0.7496 |
| **Total** | **3.1400e-003** | **0.1003** | **0.0321** | **2.7000e-004** | **0.1160** | **4.0000e-004** | **0.1164** | **0.0286** | **3.8000e-004** | **0.0290** | **0.0000** | **25.0183** | **25.0183** | **3.1000e-004** | **0.0000** | **25.0261** |

## 3.5 Trenching - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 2.1000e-003 | 0.0190 | 0.0132 | 2.0000e-005 | | 1.4200e-003 | 1.4200e-003 | | 1.3100e-003 | 1.3100e-003 | 0.0000 | 1.4824 | 1.4824 | 4.8000e-004 | 0.0000 | 1.4944 |
| **Total** | **2.1000e-003** | **0.0190** | **0.0132** | **2.0000e-005** | | **1.4200e-003** | **1.4200e-003** | | **1.3100e-003** | **1.3100e-003** | **0.0000** | **1.4824** | **1.4824** | **4.8000e-004** | **0.0000** | **1.4944** |

## 3.5 Trenching - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-005 | 5.0000e-005 | 4.9000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1057 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **4.9000e-004** | **0.0000** | **1.2000e-004** | **0.0000** | **1.2000e-004** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **0.1057** | **0.1057** | **0.0000** | **0.0000** | **0.1058** |

### 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 | 2.1000e-004 | 8.9000e-004 | 0.0127 | 2.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | 0.0000 | 1.4824 | 1.4824 | 4.8000e-004 | 0.0000 | 1.4944 |
| **Total** | **2.1000e-004** | **8.9000e-004** | **0.0127** | **2.0000e-005** | | **3.0000e-005** | **3.0000e-005** | | **3.0000e-005** | **3.0000e-005** | **0.0000** | **1.4824** | **1.4824** | **4.8000e-004** | **0.0000** | **1.4944** |

## 3.5 Trenching - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-005 | 5.0000e-005 | 4.9000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1057 | 0.1057 | 0.0000 | 0.0000 | 0.1058 |
| **Total** | **7.0000e-005** | **5.0000e-005** | **4.9000e-004** | **0.0000** | **1.2000e-004** | **0.0000** | **1.2000e-004** | **3.0000e-005** | **0.0000** | **3.0000e-005** | **0.0000** | **0.1057** | **0.1057** | **0.0000** | **0.0000** | **0.1058** |

## 3.6 Building Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2120 | 1.9186 | 1.6849 | 2.6900e-003 | | 0.1117 | 0.1117 | | 0.1050 | 0.1050 | 0.0000 | 231.6100 | 231.6100 | 0.0565 | 0.0000 | 233.0226 |
| **Total** | **0.2120** | **1.9186** | **1.6849** | **2.6900e-003** | | **0.1117** | **0.1117** | | **0.1050** | **0.1050** | **0.0000** | **231.6100** | **231.6100** | **0.0565** | **0.0000** | **233.0226** |

## 3.6 Building Construction - 2020

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0347 | 1.0282 | 0.3448 | 2.1800e-003 | 0.0526 | 5.8800e-003 | 0.0585 | 0.0152 | 5.6300e-003 | 0.0208 | 0.0000 | 206.2121 | 206.2121 | 4.2300e-003 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 1.5900e-003 | 0.1606 | 1.2700e-003 | 0.1619 | 0.0427 | 1.1700e-003 | 0.0439 | 0.0000 | 143.7970 | 143.7970 | 4.5900e-003 | 0.0000 | 143.9117 |
| **Total** | **0.1363** | **1.0911** | **1.0180** | **3.7700e-003** | **0.2132** | **7.1500e-003** | **0.2204** | **0.0579** | **6.8000e-003** | **0.0647** | **0.0000** | **350.0091** | **350.0091** | **8.8200e-003** | **0.0000** | **350.2296** |

### 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 | 0.0626 | 0.2802 | 1.7730 | 2.6900e-003 | | 0.0125 | 0.0125 | | 0.0125 | 0.0125 | 0.0000 | 231.6097 | 231.6097 | 0.0565 | 0.0000 | 233.0223 |
| **Total** | **0.0626** | **0.2802** | **1.7730** | **2.6900e-003** | | **0.0125** | **0.0125** | | **0.0125** | **0.0125** | **0.0000** | **231.6097** | **231.6097** | **0.0565** | **0.0000** | **233.0223** |

## 3.6 Building Construction - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0347 | 1.0282 | 0.3448 | 2.1800e-003 | 0.0526 | 5.8800e-003 | 0.0585 | 0.0152 | 5.6300e-003 | 0.0208 | 0.0000 | 206.2121 | 206.2121 | 4.2300e-003 | 0.0000 | 206.3179 |
| Worker | 0.1016 | 0.0629 | 0.6732 | 1.5900e-003 | 0.1606 | 1.2700e-003 | 0.1619 | 0.0427 | 1.1700e-003 | 0.0439 | 0.0000 | 143.7970 | 143.7970 | 4.5900e-003 | 0.0000 | 143.9117 |
| **Total** | **0.1363** | **1.0911** | **1.0180** | **3.7700e-003** | **0.2132** | **7.1500e-003** | **0.2204** | **0.0579** | **6.8000e-003** | **0.0647** | **0.0000** | **350.0091** | **350.0091** | **8.8200e-003** | **0.0000** | **350.2296** |

## 3.6 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0951 | 0.8716 | 0.8288 | 1.3500e-003 | | 0.0479 | 0.0479 | | 0.0451 | 0.0451 | 0.0000 | 115.8186 | 115.8186 | 0.0279 | 0.0000 | 116.5172 |
| **Total** | **0.0951** | **0.8716** | **0.8288** | **1.3500e-003** | | **0.0479** | **0.0479** | | **0.0451** | **0.0451** | **0.0000** | **115.8186** | **115.8186** | **0.0279** | **0.0000** | **116.5172** |

## 3.6 Building Construction - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0141 | 0.4680 | 0.1539 | 1.0800e-003 | 0.0263 | 1.4100e-003 | 0.0277 | 7.6000e-003 | 1.3500e-003 | 8.9500e-003 | 0.0000 | 102.3962 | 102.3962 | 1.8400e-003 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 7.7000e-004 | 0.0803 | 6.1000e-004 | 0.0809 | 0.0214 | 5.6000e-004 | 0.0219 | 0.0000 | 69.4587 | 69.4587 | 2.0500e-003 | 0.0000 | 69.5100 |
| **Total** | **0.0620** | **0.4962** | **0.4603** | **1.8500e-003** | **0.1066** | **2.0200e-003** | **0.1086** | **0.0290** | **1.9100e-003** | **0.0309** | **0.0000** | **171.8549** | **171.8549** | **3.8900e-003** | **0.0000** | **171.9522** |

### 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 | 0.0293 | 0.1370 | 0.8841 | 1.3500e-003 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 115.8185 | 115.8185 | 0.0279 | 0.0000 | 116.5171 |
| **Total** | **0.0293** | **0.1370** | **0.8841** | **1.3500e-003** | | **5.6000e-003** | **5.6000e-003** | | **5.6000e-003** | **5.6000e-003** | **0.0000** | **115.8185** | **115.8185** | **0.0279** | **0.0000** | **116.5171** |

## 3.6 Building Construction - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0141 | 0.4680 | 0.1539 | 1.0800e-003 | 0.0263 | 1.4100e-003 | 0.0277 | 7.6000e-003 | 1.3500e-003 | 8.9500e-003 | 0.0000 | 102.3962 | 102.3962 | 1.8400e-003 | 0.0000 | 102.4422 |
| Worker | 0.0478 | 0.0283 | 0.3064 | 7.7000e-004 | 0.0803 | 6.1000e-004 | 0.0809 | 0.0214 | 5.6000e-004 | 0.0219 | 0.0000 | 69.4587 | 69.4587 | 2.0500e-003 | 0.0000 | 69.5100 |
| **Total** | **0.0620** | **0.4962** | **0.4603** | **1.8500e-003** | **0.1066** | **2.0200e-003** | **0.1086** | **0.0290** | **1.9100e-003** | **0.0309** | **0.0000** | **171.8549** | **171.8549** | **3.8900e-003** | **0.0000** | **171.9522** |

## 3.7 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0126 | 0.1292 | 0.1465 | 2.3000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2400e-003 | 6.2400e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0219** | **0.1292** | **0.1465** | **2.3000e-004** | | **6.7800e-003** | **6.7800e-003** | | **6.2400e-003** | **6.2400e-003** | **0.0000** | **20.0235** | **20.0235** | **6.4800e-003** | **0.0000** | **20.1854** |

## 3.7 Paving - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

### 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 | 2.8000e-003 | 0.0122 | 0.1730 | 2.3000e-004 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0121** | **0.0122** | **0.1730** | **2.3000e-004** | | **3.7000e-004** | **3.7000e-004** | | **3.7000e-004** | **3.7000e-004** | **0.0000** | **20.0235** | **20.0235** | **6.4800e-003** | **0.0000** | **20.1854** |

## 3.7 Paving - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

## 3.8 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.2364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.1900e-003 | 0.0153 | 0.0182 | 3.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 9.4000e-004 | 9.4000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |
| **Total** | **1.2386** | **0.0153** | **0.0182** | **3.0000e-005** | | **9.4000e-004** | **9.4000e-004** | | **9.4000e-004** | **9.4000e-004** | **0.0000** | **2.5533** | **2.5533** | **1.8000e-004** | **0.0000** | **2.5576** |

## 3.8 Architectural Coating - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.9200e-003 | 1.1400e-003 | 0.0123 | 3.0000e-005 | 3.2300e-003 | 2.0000e-005 | 3.2500e-003 | 8.6000e-004 | 2.0000e-005 | 8.8000e-004 | 0.0000 | 2.7920 | 2.7920 | 8.0000e-005 | 0.0000 | 2.7940 |
| **Total** | **1.9200e-003** | **1.1400e-003** | **0.0123** | **3.0000e-005** | **3.2300e-003** | **2.0000e-005** | **3.2500e-003** | **8.6000e-004** | **2.0000e-005** | **8.8000e-004** | **0.0000** | **2.7920** | **2.7920** | **8.0000e-005** | **0.0000** | **2.7940** |

### 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 | 1.2364 | | | | | 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 | 1.8000e-004 | 0.0000 | 2.5576 |
| **Total** | **1.2367** | **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** | **1.8000e-004** | **0.0000** | **2.5576** |

## 3.8 Architectural Coating - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.9200e-003 | 1.1400e-003 | 0.0123 | 3.0000e-005 | 3.2300e-003 | 2.0000e-005 | 3.2500e-003 | 8.6000e-004 | 2.0000e-005 | 8.8000e-004 | 0.0000 | 2.7920 | 2.7920 | 8.0000e-005 | 0.0000 | 2.7940 |
| **Total** | **1.9200e-003** | **1.1400e-003** | **0.0123** | **3.0000e-005** | **3.2300e-003** | **2.0000e-005** | **3.2500e-003** | **8.6000e-004** | **2.0000e-005** | **8.8000e-004** | **0.0000** | **2.7920** | **2.7920** | **8.0000e-005** | **0.0000** | **2.7940** |

# 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 | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |
| Unmitigated | 1.8178 | 4.5728 | 15.5991 | 0.0373 | 3.3111 | 0.0384 | 3.3495 | 0.8877 | 0.0358 | 0.9235 | 0.0000 | 3,391.6144 | 3,391.6144 | 0.1230 | 0.0000 | 3,394.6883 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant with Drive Thru | 1,820.76 | 2,649.85 | 1991.78 | 1,834,672 | 1,834,672 |
| General Office Building | 38.61 | 8.61 | 3.68 | 70,091 | 70,091 |
| High Turnover (Sit Down Restaurant) | 598.88 | 745.92 | 620.97 | 722,890 | 722,890 |
| Hotel | 817.00 | 819.00 | 595.00 | 1,492,531 | 1,492,531 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 314.83 | 330.26 | 252.56 | 365,500 | 365,500 |
| Regional Shopping Center | 185.32 | 216.87 | 109.54 | 313,842 | 313,842 |
| Supermarket | 3,064.13 | 5,322.37 | 4988.21 | 4,164,870 | 4,164,870 |
| Total | 6,839.52 | 10,092.88 | 8,561.73 | 8,964,396 | 8,964,396 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 519.3826 | 519.3826 | 0.0235 | 4.8600e-003 | 521.4177 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 519.3826 | 519.3826 | 0.0235 | 4.8600e-003 | 521.4177 |
| NaturalGas Mitigated | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0169 | 170.0169 | 3.2600e-003 | 3.1200e-003 | 171.0272 |
| NaturalGas Unmitigated | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0169 | 170.0169 | 3.2600e-003 | 3.1200e-003 | 171.0272 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 547302 | 2.9500e-003 | 0.0268 | 0.0225 | 1.6000e-004 | | 2.0400e-003 | 2.0400e-003 | | 2.0400e-003 | 2.0400e-003 | 0.0000 | 29.2061 | 29.2061 | 5.6000e-004 | 5.4000e-004 | 29.3797 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 31291.4 | 1.7000e-004 | 1.5300e-003 | 1.2900e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 1.6698 | 1.6698 | 3.0000e-005 | 3.0000e-005 | 1.6798 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0172** | **0.1562** | **0.1312** | **9.5000e-004** | | **0.0119** | **0.0119** | | **0.0119** | **0.0119** | **0.0000** | **170.0169** | **170.0169** | **3.2700e-003** | **3.1200e-003** | **171.0272** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 547302 | 2.9500e-003 | 0.0268 | 0.0225 | 1.6000e-004 | | 2.0400e-003 | 2.0400e-003 | | 2.0400e-003 | 2.0400e-003 | 0.0000 | 29.2061 | 29.2061 | 5.6000e-004 | 5.4000e-004 | 29.3797 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 31291.4 | 1.7000e-004 | 1.5300e-003 | 1.2900e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | 0.0000 | 1.6698 | 1.6698 | 3.0000e-005 | 3.0000e-005 | 1.6798 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0172** | **0.1562** | **0.1312** | **9.5000e-004** | | **0.0119** | **0.0119** | | **0.0119** | **0.0119** | **0.0000** | **170.0169** | **170.0169** | **3.2700e-003** | **3.1200e-003** | **171.0272** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 115725 | 33.6656 | 1.5200e-003 | 3.1000e-004 | 33.7976 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 58676.8 | 17.0698 | 7.7000e-004 | 1.6000e-004 | 17.1366 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **519.3826** | **0.0235** | **4.8600e-003** | **521.4177** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 115725 | 33.6656 | 1.5200e-003 | 3.1000e-004 | 33.7976 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 58676.8 | 17.0698 | 7.7000e-004 | 1.6000e-004 | 17.1366 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **519.3826** | **0.0235** | **4.8600e-003** | **521.4177** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| Unmitigated | 0.5199 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |

## 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 | 0.1236 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3958 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7000e-004 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| **Total** | **0.5199** | **5.0000e-005** | **5.0400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **9.8100e-003** | **9.8100e-003** | **3.0000e-005** | **0.0000** | **0.0105** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1236 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3958 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.7000e-004 | 5.0000e-005 | 5.0400e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.8100e-003 | 9.8100e-003 | 3.0000e-005 | 0.0000 | 0.0105 |
| **Total** | **0.5199** | **5.0000e-005** | **5.0400e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **9.8100e-003** | **9.8100e-003** | **3.0000e-005** | **0.0000** | **0.0105** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |
| Unmitigated | 21.6166 | 0.3521 | 8.4600e-003 | 32.9418 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 1.11397 / 0.0711044 | 2.1793 | 0.0364 | 8.7000e-004 | 3.3494 |
| General Office Building | 0.622068 / 0.381268 | 1.5648 | 0.0203 | 4.9000e-004 | 2.2195 |
| High Turnover (Sit Down Restaurant) | 1.42964 / 0.0912539 | 2.7969 | 0.0467 | 1.1200e-003 | 4.2985 |
| Hotel | 2.53668 / 0.281853 | 5.0848 | 0.0829 | 1.9900e-003 | 7.7496 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.06237 / 0.0678107 | 2.0784 | 0.0347 | 8.3000e-004 | 3.1942 |
| Regional Shopping Center | 0.321475 / 0.197033 | 0.8087 | 0.0105 | 2.5000e-004 | 1.1470 |
| Supermarket | 3.69435 / 0.114258 | 7.1037 | 0.1207 | 2.9000e-003 | 10.9835 |
| **Total** | | **21.6166** | **0.3521** | **8.4500e-003** | **32.9418** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 1.11397 / 0.0711044 | 2.1793 | 0.0364 | 8.7000e-004 | 3.3494 |
| General Office Building | 0.622068 / 0.381268 | 1.5648 | 0.0203 | 4.9000e-004 | 2.2195 |
| High Turnover (Sit Down Restaurant) | 1.42964 / 0.0912539 | 2.7969 | 0.0467 | 1.1200e-003 | 4.2985 |
| Hotel | 2.53668 / 0.281853 | 5.0848 | 0.0829 | 1.9900e-003 | 7.7496 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.06237 / 0.0678107 | 2.0784 | 0.0347 | 8.3000e-004 | 3.1942 |
| Regional Shopping Center | 0.321475 / 0.197033 | 0.8087 | 0.0105 | 2.5000e-004 | 1.1470 |
| Supermarket | 3.69435 / 0.114258 | 7.1037 | 0.1207 | 2.9000e-003 | 10.9835 |
| **Total** | | **21.6166** | **0.3521** | **8.4500e-003** | **32.9418** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 67.6183 | 3.9961 | 0.0000 | 167.5215 |
| Unmitigated | 67.6183 | 3.9961 | 0.0000 | 167.5215 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 3.26 | 0.6618 | 0.0391 | 0.0000 | 1.6395 |
| High Turnover (Sit Down Restaurant) | 56.05 | 11.3776 | 0.6724 | 0.0000 | 28.1876 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 4.56 | 0.9256 | 0.0547 | 0.0000 | 2.2932 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **67.6183** | **3.9961** | **0.0000** | **167.5215** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 3.26 | 0.6618 | 0.0391 | 0.0000 | 1.6395 |
| High Turnover (Sit Down Restaurant) | 56.05 | 11.3776 | 0.6724 | 0.0000 | 28.1876 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 4.56 | 0.9256 | 0.0547 | 0.0000 | 2.2932 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **67.6183** | **3.9961** | **0.0000** | **167.5215** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 1 - HRA Mitigation

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 4.71 | 1000sqft | 0.11 | 4,710.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 4.34 | 1000sqft | 0.10 | 4,340.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel acreage based on 4-story building

Construction Phase - Adjusted grading phasing to one year

Off-road Equipment -

Off-road Equipment - No Demo

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Added trenching equipment since defaults are not provided

Grading - Adjusted total acres graded

Construction Off-road Equipment Mitigation - HRA mitigation: Tier 4 for equipment over 50 hp

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 9.00 |
| 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 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 315.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 787.50 | 16.80 |
| tblGrading | MaterialExported | 0.00 | 140,000.00 |

| | | | |
|---|---|---|---|
| tblGrading | MaterialImported | 0.00 | 43,000.00 |
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |

## 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 | | | | | |
| 2020 | 8.6210 | 99.0565 | 65.5131 | 0.1770 | 18.2141 | 3.4406 | 20.4127 | 9.9699 | 3.1930 | 11.9926 | 0.0000 | 17,669.4699 | 17,669.4699 | 2.7307 | 0.0000 | 17,737.7383 |
| 2021 | 124.0720 | 91.1828 | 62.7796 | 0.1758 | 30.4425 | 3.0553 | 33.4978 | 9.3831 | 2.8338 | 12.2170 | 0.0000 | 17,543.5718 | 17,543.5718 | 2.7072 | 0.0000 | 17,611.2516 |
| **Maximum** | **124.0720** | **99.0565** | **65.5131** | **0.1770** | **30.4425** | **3.4406** | **33.4978** | **9.9699** | **3.1930** | **12.2170** | **0.0000** | **17,669.4699** | **17,669.4699** | **2.7307** | **0.0000** | **17,737.7383** |

## 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 | | | | | |
| 2020 | 3.4387 | 35.7750 | 67.4359 | 0.1770 | 18.2141 | 0.3759 | 18.2773 | 9.9699 | 0.3690 | 10.0330 | 0.0000 | 17,669.4698 | 17,669.4698 | 2.7307 | 0.0000 | 17,737.7383 |
| 2021 | 123.8828 | 33.3906 | 66.0073 | 0.1758 | 30.4425 | 0.3249 | 30.7674 | 9.3831 | 0.3196 | 9.7027 | 0.0000 | 17,543.5717 | 17,543.5717 | 2.7072 | 0.0000 | 17,611.2516 |
| **Maximum** | **123.8828** | **35.7750** | **67.4359** | **0.1770** | **30.4425** | **0.3759** | **30.7674** | **9.9699** | **0.3690** | **10.0330** | **0.0000** | **17,669.4698** | **17,669.4698** | **2.7307** | **0.0000** | **17,737.7383** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **4.05** | **63.64** | **-4.01** | **0.00** | **0.00** | **89.21** | **9.03** | **0.00** | **88.58** | **18.48** | **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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Energy | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| Mobile | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| **Total** | **19.7086** | **32.6796** | **112.9725** | **0.2934** | **25.0077** | **0.3438** | **25.3515** | **6.6810** | **0.3252** | **7.0062** | | **29,926.1035** | **29,926.1035** | **0.9948** | **0.0188** | **29,956.5841** |

**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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Energy | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| Mobile | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| **Total** | **19.7086** | **32.6796** | **112.9725** | **0.2934** | **25.0077** | **0.3438** | **25.3515** | **6.6810** | **0.3252** | **7.0062** | | **29,926.1035** | **29,926.1035** | **0.9948** | **0.0188** | **29,956.5841** |

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

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2020 | 12/31/2019 | 6 | 0 | |
| 2 | Site Preparation | Site Preparation | 1/1/2020 | 1/11/2020 | 6 | 10 | |
| 3 | Grading | Grading | 1/13/2020 | 1/13/2021 | 6 | 315 | |
| 4 | Trenching | Trenching | 5/1/2020 | 5/12/2020 | 6 | 10 | |
| 5 | Building Construction | Building Construction | 5/13/2020 | 4/27/2021 | 6 | 300 | |
| 6 | Paving | Paving | 4/28/2021 | 5/20/2021 | 6 | 20 | |
| 7 | Architectural Coating | Architectural Coating | 5/21/2021 | 6/12/2021 | 6 | 20 | |

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

**Acres of Grading (Grading Phase): 16.8**

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,095; Non-Residential Outdoor: 47,365; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Excavators | 0 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Trenching | Trenchers | 1 | 8.00 | 78 | 0.50 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 8 | 20.00 | 0.00 | 18,094.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Trenching | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 204.00 | 81.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.3 Site Preparation - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.0765 | 42.4173 | 21.5136 | 0.0380 | | 2.1974 | 2.1974 | | 2.0216 | 2.0216 | | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| **Total** | **4.0765** | **42.4173** | **21.5136** | **0.0380** | **18.0663** | **2.1974** | **20.2637** | **9.9307** | **2.0216** | **11.9523** | | **3,685.1016** | **3,685.1016** | **1.1918** | | **3,714.8975** |

## 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 | 0.0976 | 0.0486 | 0.6443 | 1.5200e-003 | 0.1479 | 1.1200e-003 | 0.1490 | 0.0392 | 1.0300e-003 | 0.0403 | | 151.5334 | 151.5334 | 4.7700e-003 | | 151.6527 |
| **Total** | **0.0976** | **0.0486** | **0.6443** | **1.5200e-003** | **0.1479** | **1.1200e-003** | **0.1490** | **0.0392** | **1.0300e-003** | **0.0403** | | **151.5334** | **151.5334** | **4.7700e-003** | | **151.6527** |

## 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 | 0.4656 | 2.0175 | 20.8690 | 0.0380 | | 0.0621 | 0.0621 | | 0.0621 | 0.0621 | 0.0000 | 3,685.1016 | 3,685.1016 | 1.1918 | | 3,714.8975 |
| **Total** | **0.4656** | **2.0175** | **20.8690** | **0.0380** | **18.0663** | **0.0621** | **18.1283** | **9.9307** | **0.0621** | **9.9928** | **0.0000** | **3,685.1016** | **3,685.1016** | **1.1918** | | **3,714.8975** |

**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 | 0.0976 | 0.0486 | 0.6443 | 1.5200e-003 | 0.1479 | 1.1200e-003 | 0.1490 | 0.0392 | 1.0300e-003 | 0.0403 | | 151.5334 | 151.5334 | 4.7700e-003 | | 151.6527 |
| **Total** | **0.0976** | **0.0486** | **0.6443** | **1.5200e-003** | **0.1479** | **1.1200e-003** | **0.1490** | **0.0392** | **1.0300e-003** | **0.0403** | | **151.5334** | **151.5334** | **4.7700e-003** | | **151.6527** |

## 3.4 Grading - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| **Total** | **4.4501** | **50.1975** | **31.9583** | **0.0620** | **6.0787** | **2.1739** | **8.2526** | **3.3163** | **2.0000** | **5.3163** | | **6,005.8653** | **6,005.8653** | **1.9424** | | **6,054.4257** |

## 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 | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 | | 4,934.6529 | 4,934.6529 | 0.0613 | | 4,936.1865 |
| 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 | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| **Total** | **0.6051** | **19.0695** | **6.1804** | **0.0489** | **1.1824** | **0.0786** | **1.2610** | **0.3208** | **0.0751** | **0.3959** | | **5,103.0233** | **5,103.0233** | **0.0666** | | **5,104.6895** |

## 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 | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0620 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| **Total** | **0.7616** | **3.3000** | **32.9991** | **0.0620** | **6.0787** | **0.1015** | **6.1802** | **3.3163** | **0.1015** | **3.4179** | **0.0000** | **6,005.8653** | **6,005.8653** | **1.9424** | | **6,054.4257** |

**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 | 0.4966 | 19.0155 | 5.4645 | 0.0472 | 1.0181 | 0.0773 | 1.0955 | 0.2772 | 0.0740 | 0.3511 | | 4,934.6529 | 4,934.6529 | 0.0613 | | 4,936.1865 |
| 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 | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| **Total** | **0.6051** | **19.0695** | **6.1804** | **0.0489** | **1.1824** | **0.0786** | **1.2610** | **0.3208** | **0.0751** | **0.3959** | | **5,103.0233** | **5,103.0233** | **0.0666** | | **5,104.6895** |

## 3.4 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.1912 | 46.3998 | 30.8785 | 0.0620 | | 1.9853 | 1.9853 | | 1.8265 | 1.8265 | | 6,007.0434 | 6,007.0434 | 1.9428 | | 6,055.6134 |
| **Total** | **4.1912** | **46.3998** | **30.8785** | **0.0620** | **6.0787** | **1.9853** | **8.0640** | **3.3163** | **1.8265** | **5.1428** | | **6,007.0434** | **6,007.0434** | **1.9428** | | **6,055.6134** |

## 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 | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 | | 4,886.9100 | 4,886.9100 | 0.0563 | | 4,888.3179 |
| 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 | 0.1021 | 0.0486 | 0.6541 | 1.6300e-003 | 0.1643 | 1.2000e-003 | 0.1655 | 0.0436 | 1.1100e-003 | 0.0447 | | 162.6602 | 162.6602 | 4.7500e-003 | | 162.7789 |
| **Total** | **0.5732** | **17.6903** | **5.7797** | **0.0484** | **22.1431** | **0.0713** | **22.2144** | **5.4656** | **0.0682** | **5.5338** | | **5,049.5702** | **5,049.5702** | **0.0611** | | **5,051.0968** |

## 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 | | | | | 6.0787 | 0.0000 | 6.0787 | 3.3163 | 0.0000 | 3.3163 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7616 | 3.3000 | 32.9991 | 0.0620 | | 0.1015 | 0.1015 | | 0.1015 | 0.1015 | 0.0000 | 6,007.0434 | 6,007.0434 | 1.9428 | | 6,055.6134 |
| **Total** | **0.7616** | **3.3000** | **32.9991** | **0.0620** | **6.0787** | **0.1015** | **6.1802** | **3.3163** | **0.1015** | **3.4179** | **0.0000** | **6,007.0434** | **6,007.0434** | **1.9428** | | **6,055.6134** |

**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 | 0.4711 | 17.6418 | 5.1257 | 0.0467 | 21.9788 | 0.0701 | 22.0489 | 5.4221 | 0.0670 | 5.4891 | | 4,886.9100 | 4,886.9100 | 0.0563 | | 4,888.3179 |
| 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 | 0.1021 | 0.0486 | 0.6541 | 1.6300e-003 | 0.1643 | 1.2000e-003 | 0.1655 | 0.0436 | 1.1100e-003 | 0.0447 | | 162.6602 | 162.6602 | 4.7500e-003 | | 162.7789 |
| **Total** | **0.5732** | **17.6903** | **5.7797** | **0.0484** | **22.1431** | **0.0713** | **22.2144** | **5.4656** | **0.0682** | **5.5338** | | **5,049.5702** | **5,049.5702** | **0.0611** | | **5,051.0968** |

## 3.5 Trenching - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.4197 | 3.7966 | 2.6363 | 3.3700e-003 | | 0.2843 | 0.2843 | | 0.2615 | 0.2615 | | 326.8121 | 326.8121 | 0.1057 | | 329.4545 |
| **Total** | **0.4197** | **3.7966** | **2.6363** | **3.3700e-003** | | **0.2843** | **0.2843** | | **0.2615** | **0.2615** | | **326.8121** | **326.8121** | **0.1057** | | **329.4545** |

## 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 | 0.0163 | 8.1000e-003 | 0.1074 | 2.5000e-004 | 0.0246 | 1.9000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 25.2556 | 25.2556 | 8.0000e-004 | | 25.2755 |
| **Total** | **0.0163** | **8.1000e-003** | **0.1074** | **2.5000e-004** | **0.0246** | **1.9000e-004** | **0.0248** | **6.5400e-003** | **1.7000e-004** | **6.7100e-003** | | **25.2556** | **25.2556** | **8.0000e-004** | | **25.2755** |

## 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 | 0.0413 | 0.1788 | 2.5450 | 3.3700e-003 | | 5.5000e-003 | 5.5000e-003 | | 5.5000e-003 | 5.5000e-003 | 0.0000 | 326.8121 | 326.8121 | 0.1057 | | 329.4545 |
| **Total** | **0.0413** | **0.1788** | **2.5450** | **3.3700e-003** | | **5.5000e-003** | **5.5000e-003** | | **5.5000e-003** | **5.5000e-003** | **0.0000** | **326.8121** | **326.8121** | **0.1057** | | **329.4545** |

**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 | 0.0163 | 8.1000e-003 | 0.1074 | 2.5000e-004 | 0.0246 | 1.9000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 25.2556 | 25.2556 | 8.0000e-004 | | 25.2755 |
| **Total** | **0.0163** | **8.1000e-003** | **0.1074** | **2.5000e-004** | **0.0246** | **1.9000e-004** | **0.0248** | **6.5400e-003** | **1.7000e-004** | **6.7100e-003** | | **25.2556** | **25.2556** | **8.0000e-004** | | **25.2755** |

## 3.6 Building Construction - 2020

**Unmitigated Construction On-Site**

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

## 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 | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 | | 2,290.1402 | 2,290.1402 | 0.0447 | | 2,291.2582 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 | | 1,717.3780 | 1,717.3780 | 0.0541 | | 1,718.7304 |
| **Total** | **1.4460** | **10.6034** | **10.5259** | **0.0392** | **2.2208** | **0.0711** | **2.2918** | **0.6011** | **0.0675** | **0.6687** | | **4,007.5182** | **4,007.5182** | **0.0988** | | **4,009.9886** |

## 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 | 0.6261 | 2.8021 | 17.7304 | 0.0269 | | 0.1248 | 0.1248 | | 0.1248 | 0.1248 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| **Total** | **0.6261** | **2.8021** | **17.7304** | **0.0269** | | **0.1248** | **0.1248** | | **0.1248** | **0.1248** | **0.0000** | **2,553.0631** | **2,553.0631** | **0.6229** | | **2,568.6345** |

**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 | 0.3402 | 10.0526 | 3.2240 | 0.0219 | 0.5450 | 0.0584 | 0.6033 | 0.1566 | 0.0558 | 0.2125 | | 2,290.1402 | 2,290.1402 | 0.0447 | | 2,291.2582 |
| Worker | 1.1058 | 0.5509 | 7.3019 | 0.0173 | 1.6758 | 0.0127 | 1.6885 | 0.4445 | 0.0117 | 0.4562 | | 1,717.3780 | 1,717.3780 | 0.0541 | | 1,718.7304 |
| **Total** | **1.4460** | **10.6034** | **10.5259** | **0.0392** | **2.2208** | **0.0711** | **2.2918** | **0.6011** | **0.0675** | **0.6687** | | **4,007.5182** | **4,007.5182** | **0.0988** | | **4,009.9886** |

## 3.6 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| **Total** | **1.9009** | **17.4321** | **16.5752** | **0.0269** | | **0.9586** | **0.9586** | | **0.9013** | **0.9013** | | **2,553.3639** | **2,553.3639** | **0.6160** | | **2,568.7643** |

## 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 | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 | | 2,274.4606 | 2,274.4606 | 0.0389 | | 2,275.4322 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 | | 1,659.1336 | 1,659.1336 | 0.0485 | | 1,660.3449 |
| **Total** | **1.3179** | **9.6606** | **9.5463** | **0.0385** | **2.2208** | **0.0401** | **2.2608** | **0.6011** | **0.0379** | **0.6390** | | **3,933.5943** | **3,933.5943** | **0.0873** | | **3,935.7771** |

## 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 | 0.5867 | 2.7396 | 17.6822 | 0.0269 | | 0.1120 | 0.1120 | | 0.1120 | 0.1120 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| **Total** | **0.5867** | **2.7396** | **17.6822** | **0.0269** | | **0.1120** | **0.1120** | | **0.1120** | **0.1120** | **0.0000** | **2,553.3639** | **2,553.3639** | **0.6160** | | **2,568.7643** |

**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 | 0.2767 | 9.1654 | 2.8750 | 0.0218 | 0.5450 | 0.0278 | 0.5728 | 0.1566 | 0.0266 | 0.1833 | | 2,274.4606 | 2,274.4606 | 0.0389 | | 2,275.4322 |
| Worker | 1.0412 | 0.4952 | 6.6713 | 0.0167 | 1.6758 | 0.0123 | 1.6881 | 0.4445 | 0.0113 | 0.4558 | | 1,659.1336 | 1,659.1336 | 0.0485 | | 1,660.3449 |
| **Total** | **1.3179** | **9.6606** | **9.5463** | **0.0385** | **2.2208** | **0.0401** | **2.2608** | **0.6011** | **0.0379** | **0.6390** | | **3,933.5943** | **3,933.5943** | **0.0873** | | **3,935.7771** |

## 3.7 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **2.1870** | **12.9191** | **14.6532** | **0.0228** | | **0.6777** | **0.6777** | | **0.6235** | **0.6235** | | **2,207.2109** | **2,207.2109** | **0.7139** | | **2,225.0573** |

## 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 | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| **Total** | **0.0766** | **0.0364** | **0.4905** | **1.2300e-003** | **0.1232** | **9.0000e-004** | **0.1241** | **0.0327** | **8.3000e-004** | **0.0335** | | **121.9951** | **121.9951** | **3.5600e-003** | | **122.0842** |

## 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 | 0.2805 | 1.2154 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.9314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.2119** | **1.2154** | **17.2957** | **0.0228** | | **0.0374** | **0.0374** | | **0.0374** | **0.0374** | **0.0000** | **2,207.2109** | **2,207.2109** | **0.7139** | | **2,225.0573** |

**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 | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| **Total** | **0.0766** | **0.0364** | **0.4905** | **1.2300e-003** | **0.1232** | **9.0000e-004** | **0.1241** | **0.0327** | **8.3000e-004** | **0.0335** | | **121.9951** | **121.9951** | **3.5600e-003** | | **122.0842** |

## 3.8 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 123.6438 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| **Total** | **123.8627** | **1.5268** | **1.8176** | **2.9700e-003** | | **0.0941** | **0.0941** | | **0.0941** | **0.0941** | | **281.4481** | **281.4481** | **0.0193** | | **281.9309** |

## 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 | 0.2093 | 0.0995 | 1.3408 | 3.3500e-003 | 0.3368 | 2.4600e-003 | 0.3393 | 0.0893 | 2.2700e-003 | 0.0916 | | 333.4533 | 333.4533 | 9.7400e-003 | | 333.6968 |
| **Total** | **0.2093** | **0.0995** | **1.3408** | **3.3500e-003** | **0.3368** | **2.4600e-003** | **0.3393** | **0.0893** | **2.2700e-003** | **0.0916** | | **333.4533** | **333.4533** | **9.7400e-003** | | **333.6968** |

## 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 | 123.6438 | | | | | 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 | 0.0193 | | 281.9309 |
| **Total** | **123.6736** | **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** | **0.0193** | | **281.9309** |

**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 | 0.0995 | 1.3408 | 3.3500e-003 | 0.3368 | 2.4600e-003 | 0.3393 | 0.0893 | 2.2700e-003 | 0.0916 | | 333.4533 | 333.4533 | 9.7400e-003 | | 333.6968 |
| **Total** | **0.2093** | **0.0995** | **1.3408** | **3.3500e-003** | **0.3368** | **2.4600e-003** | **0.3393** | **0.0893** | **2.2700e-003** | **0.0916** | | **333.4533** | **333.4533** | **9.7400e-003** | | **333.6968** |

## 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 | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |
| Unmitigated | 16.7632 | 31.8234 | 112.1976 | 0.2883 | 25.0077 | 0.2785 | 25.2863 | 6.6810 | 0.2599 | 6.9410 | | 28,899.0708 | 28,899.0708 | 0.9748 | | 28,923.4411 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Fast Food Restaurant with Drive Thru | 1,820.76 | 2,649.85 | 1991.78 | 1,834,672 | 1,834,672 |
| General Office Building | 38.61 | 8.61 | 3.68 | 70,091 | 70,091 |
| High Turnover (Sit Down Restaurant) | 598.88 | 745.92 | 620.97 | 722,890 | 722,890 |
| Hotel | 817.00 | 819.00 | 595.00 | 1,492,531 | 1,492,531 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 314.83 | 330.26 | 252.56 | 365,500 | 365,500 |
| Regional Shopping Center | 185.32 | 216.87 | 109.54 | 313,842 | 313,842 |
| Supermarket | 3,064.13 | 5,322.37 | 4988.21 | 4,164,870 | 4,164,870 |
| Total | 6,839.52 | 10,092.88 | 8,561.73 | 8,964,396 | 8,964,396 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |
| NaturalGas Unmitigated | 0.0941 | 0.8558 | 0.7188 | 5.1300e-003 | | 0.0650 | 0.0650 | | 0.0650 | 0.0650 | | 1,026.9126 | 1,026.9126 | 0.0197 | 0.0188 | 1,033.0150 |

## 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 | | | | | |
| Fast Food Restaurant with Drive Thru | 1168.37 | 0.0126 | 0.1146 | 0.0962 | 6.9000e-004 | | 8.7100e-003 | 8.7100e-003 | | 8.7100e-003 | 8.7100e-003 | | 137.4550 | 137.4550 | 2.6300e-003 | 2.5200e-003 | 138.2718 |
| General Office Building | 187.37 | 2.0200e-003 | 0.0184 | 0.0154 | 1.1000e-004 | | 1.4000e-003 | 1.4000e-003 | | 1.4000e-003 | 1.4000e-003 | | 22.0435 | 22.0435 | 4.2000e-004 | 4.0000e-004 | 22.1745 |
| High Turnover (Sit Down Restaurant) | 1499.46 | 0.0162 | 0.1470 | 0.1235 | 8.8000e-004 | | 0.0112 | 0.0112 | | 0.0112 | 0.0112 | | 176.4068 | 176.4068 | 3.3800e-003 | 3.2300e-003 | 177.4551 |
| Hotel | 2561.73 | 0.0276 | 0.2512 | 0.2110 | 1.5100e-003 | | 0.0191 | 0.0191 | | 0.0191 | 0.0191 | | 301.3797 | 301.3797 | 5.7800e-003 | 5.5300e-003 | 303.1706 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1114.25 | 0.0120 | 0.1092 | 0.0918 | 6.6000e-004 | | 8.3000e-003 | 8.3000e-003 | | 8.3000e-003 | 8.3000e-003 | | 131.0878 | 131.0878 | 2.5100e-003 | 2.4000e-003 | 131.8668 |
| Regional Shopping Center | 85.7299 | 9.2000e-004 | 8.4000e-003 | 7.0600e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | | 10.0859 | 10.0859 | 1.9000e-004 | 1.8000e-004 | 10.1458 |
| Supermarket | 2111.86 | 0.0228 | 0.2070 | 0.1739 | 1.2400e-003 | | 0.0157 | 0.0157 | | 0.0157 | 0.0157 | | 248.4540 | 248.4540 | 4.7600e-003 | 4.5500e-003 | 249.9304 |
| **Total** | | **0.0941** | **0.8558** | **0.7188** | **5.1400e-003** | | **0.0651** | **0.0651** | | **0.0651** | **0.0651** | | **1,026.9126** | **1,026.9126** | **0.0197** | **0.0188** | **1,033.0150** |

**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 | | | | | |
| Fast Food Restaurant with Drive Thru | 1.16837 | 0.0126 | 0.1146 | 0.0962 | 6.9000e-004 | | 8.7100e-003 | 8.7100e-003 | | 8.7100e-003 | 8.7100e-003 | | 137.4550 | 137.4550 | 2.6300e-003 | 2.5200e-003 | 138.2718 |
| General Office Building | 0.18737 | 2.0200e-003 | 0.0184 | 0.0154 | 1.1000e-004 | | 1.4000e-003 | 1.4000e-003 | | 1.4000e-003 | 1.4000e-003 | | 22.0435 | 22.0435 | 4.2000e-004 | 4.0000e-004 | 22.1745 |
| High Turnover (Sit Down Restaurant) | 1.49946 | 0.0162 | 0.1470 | 0.1235 | 8.8000e-004 | | 0.0112 | 0.0112 | | 0.0112 | 0.0112 | | 176.4068 | 176.4068 | 3.3800e-003 | 3.2300e-003 | 177.4551 |
| Hotel | 2.56173 | 0.0276 | 0.2512 | 0.2110 | 1.5100e-003 | | 0.0191 | 0.0191 | | 0.0191 | 0.0191 | | 301.3797 | 301.3797 | 5.7800e-003 | 5.5300e-003 | 303.1706 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.11425 | 0.0120 | 0.1092 | 0.0918 | 6.6000e-004 | | 8.3000e-003 | 8.3000e-003 | | 8.3000e-003 | 8.3000e-003 | | 131.0878 | 131.0878 | 2.5100e-003 | 2.4000e-003 | 131.8668 |
| Regional Shopping Center | 0.0857299 | 9.2000e-004 | 8.4000e-003 | 7.0600e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | | 10.0859 | 10.0859 | 1.9000e-004 | 1.8000e-004 | 10.1458 |
| Supermarket | 2.11186 | 0.0228 | 0.2070 | 0.1739 | 1.2400e-003 | | 0.0157 | 0.0157 | | 0.0157 | 0.0157 | | 248.4540 | 248.4540 | 4.7600e-003 | 4.5500e-003 | 249.9304 |
| **Total** | | **0.0941** | **0.8558** | **0.7188** | **5.1400e-003** | | **0.0651** | **0.0651** | | **0.0651** | **0.0651** | | **1,026.9126** | **1,026.9126** | **0.0197** | **0.0188** | **1,033.0150** |

## 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 | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| Unmitigated | 2.8513 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.6775 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1686 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.1900e-003 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| **Total** | **2.8513** | **5.1000e-004** | **0.0560** | **0.0000** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | | **0.1201** | **0.1201** | **3.2000e-004** | | **0.1280** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.6775 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1686 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.1900e-003 | 5.1000e-004 | 0.0560 | 0.0000 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 0.1201 | 0.1201 | 3.2000e-004 | | 0.1280 |
| **Total** | **2.8513** | **5.1000e-004** | **0.0560** | **0.0000** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | | **0.1201** | **0.1201** | **3.2000e-004** | | **0.1280** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 2 - HRA Mitigation

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 4.61 | 1000sqft | 0.11 | 4,607.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 5.19 | 1000sqft | 0.12 | 5,193.00 | 0 |
| Regional Shopping Center | 13.99 | 1000sqft | 0.32 | 13,988.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 -

Construction Phase - No demo, site prep, grading, or paving

Grading -

Construction Off-road Equipment Mitigation - tier 4 for equipment >50hp

Montano - Construction Phase 2 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| 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 |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 3.00 | 0.00 |
| tblConstructionPhase | NumDays | 6.00 | 0.00 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 4,610.00 | 4,607.00 |
| tblLandUse | LandUseSquareFeet | 5,190.00 | 5,193.00 |
| tblLandUse | LandUseSquareFeet | 13,990.00 | 13,988.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 8.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |

## 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1825 | 1.4388 | 1.3021 | 2.3400e-003 | 9.6200e-003 | 0.0709 | 0.0805 | 2.6200e-003 | 0.0679 | 0.0706 | 0.0000 | 196.4414 | 196.4414 | 0.0357 | 0.0000 | 197.3341 |
| 2022 | 0.3855 | 0.3637 | 0.3573 | 6.5000e-004 | 2.6900e-003 | 0.0170 | 0.0197 | 7.3000e-004 | 0.0163 | 0.0170 | 0.0000 | 54.6398 | 54.6398 | 9.5900e-003 | 0.0000 | 54.8796 |
| **Maximum** | **0.3855** | **1.4388** | **1.3021** | **2.3400e-003** | **9.6200e-003** | **0.0709** | **0.0805** | **2.6200e-003** | **0.0679** | **0.0706** | **0.0000** | **196.4414** | **196.4414** | **0.0357** | **0.0000** | **197.3341** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.1012 | 0.5182 | 1.3919 | 2.3400e-003 | 9.6200e-003 | 0.0217 | 0.0313 | 2.6200e-003 | 0.0217 | 0.0243 | 0.0000 | 196.4412 | 196.4412 | 0.0357 | 0.0000 | 197.3339 |
| 2022 | 0.3652 | 0.1374 | 0.3851 | 6.5000e-004 | 2.6900e-003 | 5.2000e-003 | 7.8900e-003 | 7.3000e-004 | 5.1900e-003 | 5.9300e-003 | 0.0000 | 54.6397 | 54.6397 | 9.5900e-003 | 0.0000 | 54.8795 |
| **Maximum** | **0.3652** | **0.5182** | **1.3919** | **2.3400e-003** | **9.6200e-003** | **0.0217** | **0.0313** | **2.6200e-003** | **0.0217** | **0.0243** | **0.0000** | **196.4412** | **196.4412** | **0.0357** | **0.0000** | **197.3339** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **17.88** | **63.63** | **-7.09** | **0.00** | **0.00** | **69.36** | **60.83** | **0.00** | **68.05** | **65.44** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **7-14-2021** | **10-13-2021** | 0.7386 | 0.2820 |
| **2** | **10-14-2021** | **1-13-2022** | 0.7301 | 0.2812 |
| **3** | **1-14-2022** | **4-13-2022** | 0.6652 | 0.4744 |
| | | **Highest** | 0.7386 | 0.4744 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Energy | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 157.2226 | 157.2226 | 5.9800e-003 | 1.8600e-003 | 157.9265 |
| Mobile | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.4199 | 0.0000 | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.8401 | 10.5446 | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| **Total** | **0.4960** | **0.9688** | **3.2367** | **8.4900e-003** | **0.7442** | **0.0113** | **0.7555** | **0.1995** | **0.0108** | **0.2103** | **18.2601** | **917.9456** | **936.2057** | **1.1917** | **6.4200e-003** | **967.9106** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Energy | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 157.2226 | 157.2226 | 5.9800e-003 | 1.8600e-003 | 157.9265 |
| Mobile | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.4199 | 0.0000 | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.8401 | 10.5446 | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| **Total** | **0.4960** | **0.9688** | **3.2367** | **8.4900e-003** | **0.7442** | **0.0113** | **0.7555** | **0.1995** | **0.0108** | **0.2103** | **18.2601** | **917.9456** | **936.2057** | **1.1917** | **6.4200e-003** | **967.9106** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 2 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | |
| 2 | Demolition | Demolition | 7/14/2021 | 7/13/2021 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 8/11/2021 | 8/10/2021 | 6 | 0 | |
| 4 | Grading | Grading | 8/14/2021 | 8/13/2021 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | |
| 6 | Paving | Paving | 6/28/2022 | 6/27/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,932; Non-Residential Outdoor: 14,644; Striped Parking Area: 0 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 2 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 10.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 2.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.2 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1769 | 1.3864 | 1.2597 | 2.1600e-003 | | 0.0707 | 0.0707 | | 0.0677 | 0.0677 | 0.0000 | 179.6162 | 179.6162 | 0.0353 | 0.0000 | 180.4996 |
| **Total** | **0.1769** | **1.3864** | **1.2597** | **2.1600e-003** | | **0.0707** | **0.0707** | | **0.0677** | **0.0677** | **0.0000** | **179.6162** | **179.6162** | **0.0353** | **0.0000** | **180.4996** |

## 3.2 Building Construction - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.5100e-003 | 0.0500 | 0.0164 | 1.2000e-004 | 2.8100e-003 | 1.5000e-004 | 2.9600e-003 | 8.1000e-004 | 1.4000e-004 | 9.6000e-004 | 0.0000 | 10.9349 | 10.9349 | 2.0000e-004 | 0.0000 | 10.9398 |
| Worker | 4.0500e-003 | 2.4000e-003 | 0.0260 | 7.0000e-005 | 6.8100e-003 | 5.0000e-005 | 6.8600e-003 | 1.8100e-003 | 5.0000e-005 | 1.8600e-003 | 0.0000 | 5.8904 | 5.8904 | 1.7000e-004 | 0.0000 | 5.8947 |
| **Total** | **5.5600e-003** | **0.0524** | **0.0424** | **1.9000e-004** | **9.6200e-003** | **2.0000e-004** | **9.8200e-003** | **2.6200e-003** | **1.9000e-004** | **2.8200e-003** | **0.0000** | **16.8253** | **16.8253** | **3.7000e-004** | **0.0000** | **16.8345** |

### 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 | 0.0957 | 0.4658 | 1.3495 | 2.1600e-003 | | 0.0215 | 0.0215 | | 0.0215 | 0.0215 | 0.0000 | 179.6159 | 179.6159 | 0.0353 | 0.0000 | 180.4994 |
| **Total** | **0.0957** | **0.4658** | **1.3495** | **2.1600e-003** | | **0.0215** | **0.0215** | | **0.0215** | **0.0215** | **0.0000** | **179.6159** | **179.6159** | **0.0353** | **0.0000** | **180.4994** |

## 3.2 Building Construction - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 1.5100e-003 | 0.0500 | 0.0164 | 1.2000e-004 | 2.8100e-003 | 1.5000e-004 | 2.9600e-003 | 8.1000e-004 | 1.4000e-004 | 9.6000e-004 | 0.0000 | 10.9349 | 10.9349 | 2.0000e-004 | 0.0000 | 10.9398 |
| Worker | 4.0500e-003 | 2.4000e-003 | 0.0260 | 7.0000e-005 | 6.8100e-003 | 5.0000e-005 | 6.8600e-003 | 1.8100e-003 | 5.0000e-005 | 1.8600e-003 | 0.0000 | 5.8904 | 5.8904 | 1.7000e-004 | 0.0000 | 5.8947 |
| **Total** | **5.5600e-003** | **0.0524** | **0.0424** | **1.9000e-004** | **9.6200e-003** | **2.0000e-004** | **9.8200e-003** | **2.6200e-003** | **1.9000e-004** | **2.8200e-003** | **0.0000** | **16.8253** | **16.8253** | **3.7000e-004** | **0.0000** | **16.8345** |

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0436 | 0.3432 | 0.3373 | 5.9000e-004 | | 0.0165 | 0.0165 | | 0.0158 | 0.0158 | 0.0000 | 48.8048 | 48.8048 | 9.4200e-003 | 0.0000 | 49.0402 |
| **Total** | **0.0436** | **0.3432** | **0.3373** | **5.9000e-004** | | **0.0165** | **0.0165** | | **0.0158** | **0.0158** | **0.0000** | **48.8048** | **48.8048** | **9.4200e-003** | **0.0000** | **49.0402** |

## 3.2 Building Construction - 2022

### 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 | 3.8000e-004 | 0.0129 | 4.2000e-003 | 3.0000e-005 | 7.6000e-004 | 4.0000e-005 | 8.0000e-004 | 2.2000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.9492 | 2.9492 | 5.0000e-005 | 0.0000 | 2.9504 |
| Worker | 1.0400e-003 | 5.9000e-004 | 6.4600e-003 | 2.0000e-005 | 1.8500e-003 | 1.0000e-005 | 1.8600e-003 | 4.9000e-004 | 1.0000e-005 | 5.0000e-004 | 0.0000 | 1.5435 | 1.5435 | 4.0000e-005 | 0.0000 | 1.5445 |
| **Total** | **1.4200e-003** | **0.0135** | **0.0107** | **5.0000e-005** | **2.6100e-003** | **5.0000e-005** | **2.6600e-003** | **7.1000e-004** | **4.0000e-005** | **7.6000e-004** | **0.0000** | **4.4926** | **4.4926** | **9.0000e-005** | **0.0000** | **4.4949** |

### 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 | 0.0242 | 0.1233 | 0.3650 | 5.9000e-004 | | 5.1300e-003 | 5.1300e-003 | | 5.1300e-003 | 5.1300e-003 | 0.0000 | 48.8048 | 48.8048 | 9.4200e-003 | 0.0000 | 49.0402 |
| **Total** | **0.0242** | **0.1233** | **0.3650** | **5.9000e-004** | | **5.1300e-003** | **5.1300e-003** | | **5.1300e-003** | **5.1300e-003** | **0.0000** | **48.8048** | **48.8048** | **9.4200e-003** | **0.0000** | **49.0402** |

## 3.2 Building Construction - 2022

**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 | 3.8000e-004 | 0.0129 | 4.2000e-003 | 3.0000e-005 | 7.6000e-004 | 4.0000e-005 | 8.0000e-004 | 2.2000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.9492 | 2.9492 | 5.0000e-005 | 0.0000 | 2.9504 |
| Worker | 1.0400e-003 | 5.9000e-004 | 6.4600e-003 | 2.0000e-005 | 1.8500e-003 | 1.0000e-005 | 1.8600e-003 | 4.9000e-004 | 1.0000e-005 | 5.0000e-004 | 0.0000 | 1.5435 | 1.5435 | 4.0000e-005 | 0.0000 | 1.5445 |
| **Total** | **1.4200e-003** | **0.0135** | **0.0107** | **5.0000e-005** | **2.6100e-003** | **5.0000e-005** | **2.6600e-003** | **7.1000e-004** | **4.0000e-005** | **7.6000e-004** | **0.0000** | **4.4926** | **4.4926** | **9.0000e-005** | **0.0000** | **4.4949** |

## 3.3 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2021

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.0200e-003 | 7.0400e-003 | 9.0700e-003 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 4.1000e-004 | 4.1000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2787 |
| **Total** | **0.3404** | **7.0400e-003** | **9.0700e-003** | **1.0000e-005** | | **4.1000e-004** | **4.1000e-004** | | **4.1000e-004** | **4.1000e-004** | **0.0000** | **1.2766** | **1.2766** | **8.0000e-005** | **0.0000** | **1.2787** |

## 3.6 Architectural Coating - 2022

### 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 | 4.0000e-005 | 2.0000e-005 | 2.7000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0657 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| **Total** | **4.0000e-005** | **2.0000e-005** | **2.7000e-004** | **0.0000** | **8.0000e-005** | **0.0000** | **8.0000e-005** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **0.0657** | **0.0657** | **0.0000** | **0.0000** | **0.0657** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3394 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.5000e-004 | 6.4000e-004 | 9.1600e-003 | 1.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2787 |
| **Total** | **0.3395** | **6.4000e-004** | **9.1600e-003** | **1.0000e-005** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **1.2766** | **1.2766** | **8.0000e-005** | **0.0000** | **1.2787** |

## 3.6 Architectural Coating - 2022

**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 | 4.0000e-005 | 2.0000e-005 | 2.7000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0657 | 0.0657 | 0.0000 | 0.0000 | 0.0657 |
| **Total** | **4.0000e-005** | **2.0000e-005** | **2.7000e-004** | **0.0000** | **8.0000e-005** | **0.0000** | **8.0000e-005** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **0.0657** | **0.0657** | **0.0000** | **0.0000** | **0.0657** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.7 Paving - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 3.7 Paving - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |
| Unmitigated | 0.3432 | 0.9290 | 3.2029 | 8.2500e-003 | 0.7442 | 8.2700e-003 | 0.7525 | 0.1995 | 7.7200e-003 | 0.2072 | 0.0000 | 750.1779 | 750.1779 | 0.0258 | 0.0000 | 750.8229 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 58.91 | 58.91 | 58.91 | 114,390 | 114,390 |
| General Office Building | 50.85 | 11.34 | 4.84 | 92,320 | 92,320 |
| High Turnover (Sit Down Restaurant) | 659.91 | 821.94 | 684.25 | 796,560 | 796,560 |
| Regional Shopping Center | 597.37 | 699.08 | 353.11 | 1,011,670 | 1,011,670 |
| Total | 1,367.03 | 1,591.27 | 1,101.10 | 2,014,941 | 2,014,941 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 113.8055 | 113.8055 | 5.1500e-003 | 1.0600e-003 | 114.2514 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 113.8055 | 113.8055 | 5.1500e-003 | 1.0600e-003 | 114.2514 |
| NaturalGas Mitigated | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 43.4171 | 43.4171 | 8.3000e-004 | 8.0000e-004 | 43.6751 |
| NaturalGas Unmitigated | 4.3900e-003 | 0.0399 | 0.0335 | 2.4000e-004 | | 3.0300e-003 | 3.0300e-003 | | 3.0300e-003 | 3.0300e-003 | 0.0000 | 43.4171 | 43.4171 | 8.3000e-004 | 8.0000e-004 | 43.6751 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| General Office Building | 90020.8 | 4.9000e-004 | 4.4100e-003 | 3.7100e-003 | 3.0000e-005 | | 3.4000e-004 | 3.4000e-004 | | 3.4000e-004 | 3.4000e-004 | 0.0000 | 4.8039 | 4.8039 | 9.0000e-005 | 9.0000e-005 | 4.8324 |
| High Turnover (Sit Down Restaurant) | 603427 | 3.2500e-003 | 0.0296 | 0.0249 | 1.8000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 32.2011 | 32.2011 | 6.2000e-004 | 5.9000e-004 | 32.3925 |
| Regional Shopping Center | 100853 | 5.4000e-004 | 4.9400e-003 | 4.1500e-003 | 3.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 5.3819 | 5.3819 | 1.0000e-004 | 1.0000e-004 | 5.4139 |
| **Total** | | **4.3800e-003** | **0.0399** | **0.0335** | **2.5000e-004** | | **3.0400e-003** | **3.0400e-003** | | **3.0400e-003** | **3.0400e-003** | **0.0000** | **43.4171** | **43.4171** | **8.3000e-004** | **8.0000e-004** | **43.6751** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| General Office Building | 90020.8 | 4.9000e-004 | 4.4100e-003 | 3.7100e-003 | 3.0000e-005 | | 3.4000e-004 | 3.4000e-004 | | 3.4000e-004 | 3.4000e-004 | 0.0000 | 4.8039 | 4.8039 | 9.0000e-005 | 9.0000e-005 | 4.8324 |
| High Turnover (Sit Down Restaurant) | 603427 | 3.2500e-003 | 0.0296 | 0.0249 | 1.8000e-004 | | 2.2500e-003 | 2.2500e-003 | | 2.2500e-003 | 2.2500e-003 | 0.0000 | 32.2011 | 32.2011 | 6.2000e-004 | 5.9000e-004 | 32.3925 |
| Regional Shopping Center | 100853 | 5.4000e-004 | 4.9400e-003 | 4.1500e-003 | 3.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 5.3819 | 5.3819 | 1.0000e-004 | 1.0000e-004 | 5.4139 |
| **Total** | | **4.3800e-003** | **0.0399** | **0.0335** | **2.5000e-004** | | **3.0400e-003** | **3.0400e-003** | | **3.0400e-003** | **3.0400e-003** | **0.0000** | **43.4171** | **43.4171** | **8.3000e-004** | **8.0000e-004** | **43.6751** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| General Office Building | 50953.4 | 14.8229 | 6.7000e-004 | 1.4000e-004 | 14.8810 |
| High Turnover (Sit Down Restaurant) | 127592 | 37.1180 | 1.6800e-003 | 3.5000e-004 | 37.2634 |
| Regional Shopping Center | 189118 | 55.0165 | 2.4900e-003 | 5.1000e-004 | 55.2321 |
| **Total** | | **113.8055** | **5.1500e-003** | **1.0600e-003** | **114.2514** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| General Office Building | 50953.4 | 14.8229 | 6.7000e-004 | 1.4000e-004 | 14.8810 |
| High Turnover (Sit Down Restaurant) | 127592 | 37.1180 | 1.6800e-003 | 3.5000e-004 | 37.2634 |
| Regional Shopping Center | 189118 | 55.0165 | 2.4900e-003 | 5.1000e-004 | 55.2321 |
| **Total** | | **113.8055** | **5.1500e-003** | **1.0600e-003** | **114.2514** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| Unmitigated | 0.1484 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |

## 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 | 0.0339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1144 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| **Total** | **0.1483** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.2000e-004** | **5.2000e-004** | **0.0000** | **0.0000** | **5.6000e-004** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0339 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1144 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.2000e-004 | 5.2000e-004 | 0.0000 | 0.0000 | 5.6000e-004 |
| **Total** | **0.1483** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.2000e-004** | **5.2000e-004** | **0.0000** | **0.0000** | **5.6000e-004** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |
| Unmitigated | 12.3847 | 0.1895 | 4.5600e-003 | 18.4809 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 2.36924 / 0.151228 | 4.6351 | 0.0774 | 1.8600e-003 | 7.1236 |
| General Office Building | 0.819353 / 0.502184 | 2.0610 | 0.0268 | 6.5000e-004 | 2.9234 |
| High Turnover (Sit Down Restaurant) | 1.57534 / 0.100554 | 3.0819 | 0.0515 | 1.2400e-003 | 4.7366 |
| Regional Shopping Center | 1.03627 / 0.635136 | 2.6067 | 0.0339 | 8.2000e-004 | 3.6974 |
| **Total** | | **12.3847** | **0.1895** | **4.5700e-003** | **18.4809** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 2.36924 / 0.151228 | 4.6351 | 0.0774 | 1.8600e-003 | 7.1236 |
| General Office Building | 0.819353 / 0.502184 | 2.0610 | 0.0268 | 6.5000e-004 | 2.9234 |
| High Turnover (Sit Down Restaurant) | 1.57534 / 0.100554 | 3.0819 | 0.0515 | 1.2400e-003 | 4.7366 |
| Regional Shopping Center | 1.03627 / 0.635136 | 2.6067 | 0.0339 | 8.2000e-004 | 3.6974 |
| **Total** | | **12.3847** | **0.1895** | **4.5700e-003** | **18.4809** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 16.4199 | 0.9704 | 0.0000 | 40.6797 |
| Unmitigated | 16.4199 | 0.9704 | 0.0000 | 40.6797 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| General Office Building | 4.29 | 0.8708 | 0.0515 | 0.0000 | 2.1575 |
| High Turnover (Sit Down Restaurant) | 61.76 | 12.5367 | 0.7409 | 0.0000 | 31.0592 |
| Regional Shopping Center | 14.69 | 2.9819 | 0.1762 | 0.0000 | 7.3876 |
| **Total** | | **16.4199** | **0.9704** | **0.0000** | **40.6797** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| General Office Building | 4.29 | 0.8708 | 0.0515 | 0.0000 | 2.1575 |
| High Turnover (Sit Down Restaurant) | 61.76 | 12.5367 | 0.7409 | 0.0000 | 31.0592 |
| Regional Shopping Center | 14.69 | 2.9819 | 0.1762 | 0.0000 | 7.3876 |
| **Total** | | **16.4199** | **0.9704** | **0.0000** | **40.6797** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
| --- | --- |

## 11.0 Vegetation

# Montano - Construction Phase 2 - HRA Mitigation

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 4.61 | 1000sqft | 0.11 | 4,607.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| High Turnover (Sit Down Restaurant) | 5.19 | 1000sqft | 0.12 | 5,193.00 | 0 |
| Regional Shopping Center | 13.99 | 1000sqft | 0.32 | 13,988.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 -

Construction Phase - No demo, site prep, grading, or paving

Grading -

Construction Off-road Equipment Mitigation - tier 4 for equipment >50hp

Montano - Construction Phase 2 - HRA Mitigation - El Dorado-Mountain County County, Summer

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| 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 |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 3.00 | 0.00 |
| tblConstructionPhase | NumDays | 6.00 | 0.00 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 4,610.00 | 4,607.00 |
| tblLandUse | LandUseSquareFeet | 5,190.00 | 5,193.00 |
| tblLandUse | LandUseSquareFeet | 13,990.00 | 13,988.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 8.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

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

| Year | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 2.1132 | 16.6176 | 15.0674 | 0.0272 | 0.1158 | 0.8196 | 0.9354 | 0.0315 | 0.7853 | 0.8167 | 0.0000 | 2,510.6644 | 2,510.6644 | 0.4551 | 0.0000 | 2,522.0418 |
| 2022 | 68.0891 | 15.1623 | 14.8208 | 0.0271 | 0.1158 | 0.7043 | 0.8201 | 0.0315 | 0.6751 | 0.7066 | 0.0000 | 2,507.1101 | 2,507.1101 | 0.4460 | 0.0000 | 2,518.2603 |
| **Maximum** | **68.0891** | **16.6176** | **15.0674** | **0.0272** | **0.1158** | **0.8196** | **0.9354** | **0.0315** | **0.7853** | **0.8167** | **0.0000** | **2,510.6644** | **2,510.6644** | **0.4551** | **0.0000** | **2,522.0418** |

## Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 1.1742 | 5.9752 | 16.1059 | 0.0272 | 0.1158 | 0.2511 | 0.3669 | 0.0315 | 0.2510 | 0.2824 | 0.0000 | 2,510.6644 | 2,510.6644 | 0.4551 | 0.0000 | 2,522.0418 |
| 2022 | 67.9143 | 5.8055 | 16.0000 | 0.0271 | 0.1158 | 0.2202 | 0.3360 | 0.0315 | 0.2201 | 0.2515 | 0.0000 | 2,507.1101 | 2,507.1101 | 0.4460 | 0.0000 | 2,518.2603 |
| **Maximum** | **67.9143** | **5.9752** | **16.1059** | **0.0272** | **0.1158** | **0.2511** | **0.3669** | **0.0315** | **0.2510** | **0.2824** | **0.0000** | **2,510.6644** | **2,510.6644** | **0.4551** | **0.0000** | **2,522.0418** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **1.59** | **62.93** | **-7.42** | **0.00** | **0.00** | **69.07** | **59.96** | **0.00** | **67.75** | **64.95** | **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 | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Energy | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| Mobile | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| **Total** | **3.6500** | **6.0278** | **21.4115** | **0.0592** | **5.1120** | **0.0710** | **5.1830** | **1.3657** | **0.0674** | **1.4331** | | **6,071.5963** | **6,071.5963** | **0.1922** | **4.8100e-003** | **6,077.8342** |

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Energy | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| Mobile | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| **Total** | **3.6500** | **6.0278** | **21.4115** | **0.0592** | **5.1120** | **0.0710** | **5.1830** | **1.3657** | **0.0674** | **1.4331** | | **6,071.5963** | **6,071.5963** | **0.1922** | **4.8100e-003** | **6,077.8342** |

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

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 6/14/2021 | 2/24/2022 | 6 | 220 | |
| 2 | Demolition | Demolition | 7/14/2021 | 7/13/2021 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 8/11/2021 | 8/10/2021 | 6 | 0 | |
| 4 | Grading | Grading | 8/14/2021 | 8/13/2021 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 2/25/2022 | 3/8/2022 | 6 | 10 | |
| 6 | Paving | Paving | 6/28/2022 | 6/27/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,932; Non-Residential Outdoor: 14,644; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 10.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 2.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.2 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| **Total** | **2.0451** | **16.0275** | **14.5629** | **0.0250** | | **0.8173** | **0.8173** | | **0.7831** | **0.7831** | | **2,288.9355** | **2,288.9355** | **0.4503** | | **2,300.1935** |

## 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 | 0.0171 | 0.5658 | 0.1775 | 1.3400e-003 | 0.0336 | 1.7200e-003 | 0.0354 | 9.6700e-003 | 1.6400e-003 | 0.0113 | | 140.3988 | 140.3988 | 2.4000e-003 | | 140.4588 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 8.2000e-004 | 0.0822 | 6.0000e-004 | 0.0828 | 0.0218 | 5.5000e-004 | 0.0223 | | 81.3301 | 81.3301 | 2.3800e-003 | | 81.3895 |
| **Total** | **0.0681** | **0.5900** | **0.5045** | **2.1600e-003** | **0.1158** | **2.3200e-003** | **0.1181** | **0.0315** | **2.1900e-003** | **0.0337** | | **221.7289** | **221.7289** | **4.7800e-003** | | **221.8482** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1061 | 5.3852 | 15.6014 | 0.0250 | | 0.2488 | 0.2488 | | 0.2488 | 0.2488 | 0.0000 | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| **Total** | **1.1061** | **5.3852** | **15.6014** | **0.0250** | | **0.2488** | **0.2488** | | **0.2488** | **0.2488** | **0.0000** | **2,288.9355** | **2,288.9355** | **0.4503** | | **2,300.1935** |

**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 | 0.0171 | 0.5658 | 0.1775 | 1.3400e-003 | 0.0336 | 1.7200e-003 | 0.0354 | 9.6700e-003 | 1.6400e-003 | 0.0113 | | 140.3988 | 140.3988 | 2.4000e-003 | | 140.4588 |
| Worker | 0.0510 | 0.0243 | 0.3270 | 8.2000e-004 | 0.0822 | 6.0000e-004 | 0.0828 | 0.0218 | 5.5000e-004 | 0.0223 | | 81.3301 | 81.3301 | 2.3800e-003 | | 81.3895 |
| **Total** | **0.0681** | **0.5900** | **0.5045** | **2.1600e-003** | **0.1158** | **2.3200e-003** | **0.1181** | **0.0315** | **2.1900e-003** | **0.0337** | | **221.7289** | **221.7289** | **4.7800e-003** | | **221.8482** |

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |
| **Total** | **1.8555** | **14.6040** | **14.3533** | **0.0250** | | **0.7022** | **0.7022** | | **0.6731** | **0.6731** | | **2,289.2813** | **2,289.2813** | **0.4417** | | **2,300.3230** |

## 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 | 0.0160 | 0.5364 | 0.1671 | 1.3300e-003 | 0.0336 | 1.5200e-003 | 0.0352 | 9.6700e-003 | 1.4600e-003 | 0.0111 | | 139.3854 | 139.3854 | 2.2100e-003 | | 139.4406 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 7.9000e-004 | 0.0822 | 5.8000e-004 | 0.0827 | 0.0218 | 5.3000e-004 | 0.0223 | | 78.4434 | 78.4434 | 2.1300e-003 | | 78.4967 |
| **Total** | **0.0642** | **0.5583** | **0.4675** | **2.1200e-003** | **0.1158** | **2.1000e-003** | **0.1179** | **0.0315** | **1.9900e-003** | **0.0335** | | **217.8289** | **217.8289** | **4.3400e-003** | | **217.9373** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0283 | 5.2472 | 15.5324 | 0.0250 | | 0.2181 | 0.2181 | | 0.2181 | 0.2181 | 0.0000 | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |
| **Total** | **1.0283** | **5.2472** | **15.5324** | **0.0250** | | **0.2181** | **0.2181** | | **0.2181** | **0.2181** | **0.0000** | **2,289.2813** | **2,289.2813** | **0.4417** | | **2,300.3230** |

**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 | 0.0160 | 0.5364 | 0.1671 | 1.3300e-003 | 0.0336 | 1.5200e-003 | 0.0352 | 9.6700e-003 | 1.4600e-003 | 0.0111 | | 139.3854 | 139.3854 | 2.2100e-003 | | 139.4406 |
| Worker | 0.0482 | 0.0219 | 0.3004 | 7.9000e-004 | 0.0822 | 5.8000e-004 | 0.0827 | 0.0218 | 5.3000e-004 | 0.0223 | | 78.4434 | 78.4434 | 2.1300e-003 | | 78.4967 |
| **Total** | **0.0642** | **0.5583** | **0.4675** | **2.1200e-003** | **0.1158** | **2.1000e-003** | **0.1179** | **0.0315** | **1.9900e-003** | **0.0335** | | **217.8289** | **217.8289** | **4.3400e-003** | | **217.9373** |

## 3.3 Demolition - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 67.8749 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **68.0795** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

## 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 | 9.6400e-003 | 4.3800e-003 | 0.0601 | 1.6000e-004 | 0.0164 | 1.2000e-004 | 0.0166 | 4.3600e-003 | 1.1000e-004 | 4.4600e-003 | | 15.6887 | 15.6887 | 4.3000e-004 | | 15.6994 |
| **Total** | **9.6400e-003** | **4.3800e-003** | **0.0601** | **1.6000e-004** | **0.0164** | **1.2000e-004** | **0.0166** | **4.3600e-003** | **1.1000e-004** | **4.4600e-003** | | **15.6887** | **15.6887** | **4.3000e-004** | | **15.6994** |

## 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 | 67.8749 | | | | | 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 | 0.0183 | | 281.9062 |
| **Total** | **67.9047** | **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** | **0.0183** | | **281.9062** |

**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 | 9.6400e-003 | 4.3800e-003 | 0.0601 | 1.6000e-004 | 0.0164 | 1.2000e-004 | 0.0166 | 4.3600e-003 | 1.1000e-004 | 4.4600e-003 | | 15.6887 | 15.6887 | 4.3000e-004 | | 15.6994 |
| **Total** | **9.6400e-003** | **4.3800e-003** | **0.0601** | **1.6000e-004** | **0.0164** | **1.2000e-004** | **0.0166** | **4.3600e-003** | **1.1000e-004** | **4.4600e-003** | | **15.6887** | **15.6887** | **4.3000e-004** | | **15.6994** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |
| Unmitigated | 2.8129 | 5.8092 | 21.2249 | 0.0579 | 5.1120 | 0.0544 | 5.1664 | 1.3657 | 0.0508 | 1.4165 | | 5,809.3479 | 5,809.3479 | 0.1872 | | 5,814.0270 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 58.91 | 58.91 | 58.91 | 114,390 | 114,390 |
| General Office Building | 50.85 | 11.34 | 4.84 | 92,320 | 92,320 |
| High Turnover (Sit Down Restaurant) | 659.91 | 821.94 | 684.25 | 796,560 | 796,560 |
| Regional Shopping Center | 597.37 | 699.08 | 353.11 | 1,011,670 | 1,011,670 |
| Total | 1,367.03 | 1,591.27 | 1,101.10 | 2,014,941 | 2,014,941 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |
| NaturalGas Unmitigated | 0.0240 | 0.2185 | 0.1836 | 1.3100e-003 | | 0.0166 | 0.0166 | | 0.0166 | 0.0166 | | 262.2420 | 262.2420 | 5.0300e-003 | 4.8100e-003 | 263.8004 |

## 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 | | | | | |
| Arena | 52.8904 | 5.7000e-004 | 5.1900e-003 | 4.3600e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | | 6.2224 | 6.2224 | 1.2000e-004 | 1.1000e-004 | 6.2594 |
| General Office Building | 246.632 | 2.6600e-003 | 0.0242 | 0.0203 | 1.5000e-004 | | 1.8400e-003 | 1.8400e-003 | | 1.8400e-003 | 1.8400e-003 | | 29.0156 | 29.0156 | 5.6000e-004 | 5.3000e-004 | 29.1880 |
| High Turnover (Sit Down Restaurant) | 1653.22 | 0.0178 | 0.1621 | 0.1362 | 9.7000e-004 | | 0.0123 | 0.0123 | | 0.0123 | 0.0123 | | 194.4969 | 194.4969 | 3.7300e-003 | 3.5700e-003 | 195.6527 |
| Regional Shopping Center | 276.311 | 2.9800e-003 | 0.0271 | 0.0228 | 1.6000e-004 | | 2.0600e-003 | 2.0600e-003 | | 2.0600e-003 | 2.0600e-003 | | 32.5072 | 32.5072 | 6.2000e-004 | 6.0000e-004 | 32.7003 |
| **Total** | | **0.0240** | **0.2185** | **0.1836** | **1.3100e-003** | | **0.0166** | **0.0166** | | **0.0166** | **0.0166** | | **262.2420** | **262.2420** | **5.0300e-003** | **4.8100e-003** | **263.8004** |

**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 | | | | | |
| Arena | 0.0528904 | 5.7000e-004 | 5.1900e-003 | 4.3600e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | | 6.2224 | 6.2224 | 1.2000e-004 | 1.1000e-004 | 6.2594 |
| General Office Building | 0.246632 | 2.6600e-003 | 0.0242 | 0.0203 | 1.5000e-004 | | 1.8400e-003 | 1.8400e-003 | | 1.8400e-003 | 1.8400e-003 | | 29.0156 | 29.0156 | 5.6000e-004 | 5.3000e-004 | 29.1880 |
| High Turnover (Sit Down Restaurant) | 1.65322 | 0.0178 | 0.1621 | 0.1362 | 9.7000e-004 | | 0.0123 | 0.0123 | | 0.0123 | 0.0123 | | 194.4969 | 194.4969 | 3.7300e-003 | 3.5700e-003 | 195.6527 |
| Regional Shopping Center | 0.276311 | 2.9800e-003 | 0.0271 | 0.0228 | 1.6000e-004 | | 2.0600e-003 | 2.0600e-003 | | 2.0600e-003 | 2.0600e-003 | | 32.5072 | 32.5072 | 6.2000e-004 | 6.0000e-004 | 32.7003 |
| **Total** | | **0.0240** | **0.2185** | **0.1836** | **1.3100e-003** | | **0.0166** | **0.0166** | | **0.0166** | **0.0166** | | **262.2420** | **262.2420** | **5.0300e-003** | **4.8100e-003** | **263.8004** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mitigated | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| Unmitigated | 0.8130 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1860 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.8000e-004 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| **Total** | **0.8130** | **3.0000e-005** | **2.9900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **6.4100e-003** | **6.4100e-003** | **2.0000e-005** | | **6.8300e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1860 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.6268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.8000e-004 | 3.0000e-005 | 2.9900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 6.4100e-003 | 6.4100e-003 | 2.0000e-005 | | 6.8300e-003 |
| **Total** | **0.8130** | **3.0000e-005** | **2.9900e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **6.4100e-003** | **6.4100e-003** | **2.0000e-005** | | **6.8300e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 3 - HRA Mitigation

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 8.84 | 1000sqft | 0.20 | 8,841.00 | 0 |
| Regional Shopping Center | 13.45 | 1000sqft | 0.31 | 13,447.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Building's 1 and 2 retail sqft combined

Construction Phase - No demo, site prep, grading, or paving

Grading -

Construction Off-road Equipment Mitigation - tier for equipment >50hp

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

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| | | | |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| 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 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 1.00 | 0.00 |
| tblConstructionPhase | NumDays | 2.00 | 0.00 |
| tblConstructionPhase | NumDays | 5.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 8,840.00 | 8,841.00 |
| tblLandUse | LandUseSquareFeet | 13,450.00 | 13,447.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 18.00 |

## 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 | | | | | |
| 2022 | 0.2953 | 0.3776 | 0.3790 | 6.6000e-004 | 4.0700e-003 | 0.0189 | 0.0230 | 1.1100e-003 | 0.0174 | 0.0185 | 0.0000 | 58.0472 | 58.0472 | 0.0164 | 0.0000 | 58.4568 |
| **Maximum** | **0.2953** | **0.3776** | **0.3790** | **6.6000e-004** | **4.0700e-003** | **0.0189** | **0.0230** | **1.1100e-003** | **0.0174** | **0.0185** | **0.0000** | **58.0472** | **58.0472** | **0.0164** | **0.0000** | **58.4568** |

### 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 | | | | | |
| 2022 | 0.2675 | 0.0534 | 0.4077 | 6.6000e-004 | 4.0700e-003 | 1.0200e-003 | 5.1000e-003 | 1.1100e-003 | 1.0200e-003 | 2.1300e-003 | 0.0000 | 58.0472 | 58.0472 | 0.0164 | 0.0000 | 58.4568 |
| **Maximum** | **0.2675** | **0.0534** | **0.4077** | **6.6000e-004** | **4.0700e-003** | **1.0200e-003** | **5.1000e-003** | **1.1100e-003** | **1.0200e-003** | **2.1300e-003** | **0.0000** | **58.0472** | **58.0472** | **0.0164** | **0.0000** | **58.4568** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **9.40** | **85.87** | **-7.58** | **0.00** | **0.00** | **94.60** | **77.79** | **0.00** | **94.13** | **88.49** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **6-1-2022** | **8-31-2022** | 0.3373 | 0.2387 |
| | | **Highest** | 0.3373 | 0.2387 |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Energy | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 95.7270 | 95.7270 | 3.9500e-003 | 1.0200e-003 | 96.1312 |
| Mobile | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 4.5348 | 0.0000 | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8145 | 5.6437 | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| **Total** | **0.2814** | **0.4998** | **1.7054** | **4.7200e-003** | **0.4246** | **5.5600e-003** | **0.4302** | **0.1138** | **5.2600e-003** | **0.1191** | **5.3494** | **524.0476** | **529.3970** | **0.3698** | **3.0500e-003** | **539.5513** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Energy | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 95.7270 | 95.7270 | 3.9500e-003 | 1.0200e-003 | 96.1312 |
| Mobile | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 4.5348 | 0.0000 | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8145 | 5.6437 | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| **Total** | **0.2814** | **0.4998** | **1.7054** | **4.7200e-003** | **0.4246** | **5.5600e-003** | **0.4302** | **0.1138** | **5.2600e-003** | **0.1191** | **5.3494** | **524.0476** | **529.3970** | **0.3698** | **3.0500e-003** | **539.5513** |

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

## 3.0 Construction Detail

**Construction Phase**

Montano - Construction Phase 3 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | |
| 2 | Demolition | Demolition | 6/1/2022 | 5/31/2022 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 6/15/2022 | 6/14/2022 | 6 | 0 | |
| 4 | Grading | Grading | 6/16/2022 | 6/15/2022 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | |
| 6 | Paving | Paving | 11/5/2022 | 11/4/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,432; Non-Residential Outdoor: 11,144; Striped Parking Area: 0 (Architectural Coating – sqft)**

**<u>OffRoad Equipment</u>**

Montano - Construction Phase 3 - HRA Mitigation - El Dorado-Mountain County County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 0 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 7.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 5.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 1.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0343 | 0.3513 | 0.3576 | 5.7000e-004 | | 0.0186 | 0.0186 | | 0.0171 | 0.0171 | 0.0000 | 50.0739 | 50.0739 | 0.0162 | 0.0000 | 50.4787 |
| **Total** | **0.0343** | **0.3513** | **0.3576** | **5.7000e-004** | | **0.0186** | **0.0186** | | **0.0171** | **0.0171** | **0.0000** | **50.0739** | **50.0739** | **0.0162** | **0.0000** | **50.4787** |

## 3.2 Building Construction - 2022

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.5000e-004 | 0.0219 | 7.1500e-003 | 5.0000e-005 | 1.3000e-003 | 6.0000e-005 | 1.3600e-003 | 3.8000e-004 | 6.0000e-005 | 4.3000e-004 | 0.0000 | 5.0198 | 5.0198 | 8.0000e-005 | 0.0000 | 5.0219 |
| Worker | 1.5500e-003 | 8.7000e-004 | 9.6200e-003 | 3.0000e-005 | 2.7600e-003 | 2.0000e-005 | 2.7800e-003 | 7.3000e-004 | 2.0000e-005 | 7.5000e-004 | 0.0000 | 2.2988 | 2.2988 | 6.0000e-005 | 0.0000 | 2.3004 |
| **Total** | **2.2000e-003** | **0.0228** | **0.0168** | **8.0000e-005** | **4.0600e-003** | **8.0000e-005** | **4.1400e-003** | **1.1100e-003** | **8.0000e-005** | **1.1800e-003** | **0.0000** | **7.3186** | **7.3186** | **1.4000e-004** | **0.0000** | **7.3223** |

### 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 | 6.9800e-003 | 0.0303 | 0.3863 | 5.7000e-004 | | 9.3000e-004 | 9.3000e-004 | | 9.3000e-004 | 9.3000e-004 | 0.0000 | 50.0738 | 50.0738 | 0.0162 | 0.0000 | 50.4787 |
| **Total** | **6.9800e-003** | **0.0303** | **0.3863** | **5.7000e-004** | | **9.3000e-004** | **9.3000e-004** | | **9.3000e-004** | **9.3000e-004** | **0.0000** | **50.0738** | **50.0738** | **0.0162** | **0.0000** | **50.4787** |

## 3.2 Building Construction - 2022

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.5000e-004 | 0.0219 | 7.1500e-003 | 5.0000e-005 | 1.3000e-003 | 6.0000e-005 | 1.3600e-003 | 3.8000e-004 | 6.0000e-005 | 4.3000e-004 | 0.0000 | 5.0198 | 5.0198 | 8.0000e-005 | 0.0000 | 5.0219 |
| Worker | 1.5500e-003 | 8.7000e-004 | 9.6200e-003 | 3.0000e-005 | 2.7600e-003 | 2.0000e-005 | 2.7800e-003 | 7.3000e-004 | 2.0000e-005 | 7.5000e-004 | 0.0000 | 2.2988 | 2.2988 | 6.0000e-005 | 0.0000 | 2.3004 |
| **Total** | **2.2000e-003** | **0.0228** | **0.0168** | **8.0000e-005** | **4.0600e-003** | **8.0000e-005** | **4.1400e-003** | **1.1100e-003** | **8.0000e-005** | **1.1800e-003** | **0.0000** | **7.3186** | **7.3186** | **1.4000e-004** | **0.0000** | **7.3223** |

## 3.3 Demolition - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Demolition - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.1000e-004 | 3.5200e-003 | 4.5300e-003 | 1.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| **Total** | **0.2588** | **3.5200e-003** | **4.5300e-003** | **1.0000e-005** | | **2.0000e-004** | **2.0000e-004** | | **2.0000e-004** | **2.0000e-004** | **0.0000** | **0.6383** | **0.6383** | **4.0000e-005** | **0.0000** | **0.6394** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0164 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **7.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0164** | **0.0164** | **0.0000** | **0.0000** | **0.0164** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.2583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.0000e-005 | 3.2000e-004 | 4.5800e-003 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| **Total** | **0.2583** | **3.2000e-004** | **4.5800e-003** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | **0.0000** | **0.6383** | **0.6383** | **4.0000e-005** | **0.0000** | **0.6394** |

## 3.6 Architectural Coating - 2022

**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 | 1.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0164 | 0.0164 | 0.0000 | 0.0000 | 0.0164 |
| **Total** | **1.0000e-005** | **1.0000e-005** | **7.0000e-005** | **0.0000** | **2.0000e-005** | **0.0000** | **2.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **0.0000** | **0.0164** | **0.0164** | **0.0000** | **0.0000** | **0.0164** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.7 Paving - 2022

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 3.7 Paving - 2022

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |
| Unmitigated | 0.1671 | 0.4865 | 1.6940 | 4.6400e-003 | 0.4246 | 4.5600e-003 | 0.4292 | 0.1138 | 4.2600e-003 | 0.1181 | 0.0000 | 422.6766 | 422.6766 | 0.0139 | 0.0000 | 423.0244 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 97.51 | 21.75 | 9.28 | 177,031 | 177,031 |
| Regional Shopping Center | 574.32 | 672.10 | 339.48 | 972,621 | 972,621 |
| Total | 671.82 | 693.84 | 348.76 | 1,149,652 | 1,149,652 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 81.3345 | 81.3345 | 3.6800e-003 | 7.6000e-004 | 81.6532 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 81.3345 | 81.3345 | 3.6800e-003 | 7.6000e-004 | 81.6532 |
| NaturalGas Mitigated | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 14.3925 | 14.3925 | 2.8000e-004 | 2.6000e-004 | 14.4781 |
| NaturalGas Unmitigated | 1.4500e-003 | 0.0132 | 0.0111 | 8.0000e-005 | | 1.0000e-003 | 1.0000e-003 | | 1.0000e-003 | 1.0000e-003 | 0.0000 | 14.3925 | 14.3925 | 2.8000e-004 | 2.6000e-004 | 14.4781 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 172753 | 9.3000e-004 | 8.4700e-003 | 7.1100e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | 0.0000 | 9.2188 | 9.2188 | 1.8000e-004 | 1.7000e-004 | 9.2736 |
| Regional Shopping Center | 96952.9 | 5.2000e-004 | 4.7500e-003 | 3.9900e-003 | 3.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 5.1738 | 5.1738 | 1.0000e-004 | 9.0000e-005 | 5.2045 |
| **Total** | | **1.4500e-003** | **0.0132** | **0.0111** | **8.0000e-005** | | **1.0000e-003** | **1.0000e-003** | | **1.0000e-003** | **1.0000e-003** | **0.0000** | **14.3925** | **14.3925** | **2.8000e-004** | **2.6000e-004** | **14.4781** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 172753 | 9.3000e-004 | 8.4700e-003 | 7.1100e-003 | 5.0000e-005 | | 6.4000e-004 | 6.4000e-004 | | 6.4000e-004 | 6.4000e-004 | 0.0000 | 9.2188 | 9.2188 | 1.8000e-004 | 1.7000e-004 | 9.2736 |
| Regional Shopping Center | 96952.9 | 5.2000e-004 | 4.7500e-003 | 3.9900e-003 | 3.0000e-005 | | 3.6000e-004 | 3.6000e-004 | | 3.6000e-004 | 3.6000e-004 | 0.0000 | 5.1738 | 5.1738 | 1.0000e-004 | 9.0000e-005 | 5.2045 |
| **Total** | | **1.4500e-003** | **0.0132** | **0.0111** | **8.0000e-005** | | **1.0000e-003** | **1.0000e-003** | | **1.0000e-003** | **1.0000e-003** | **0.0000** | **14.3925** | **14.3925** | **2.8000e-004** | **2.6000e-004** | **14.4781** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 97781.5 | 28.4458 | 1.2900e-003 | 2.7000e-004 | 28.5572 |
| Regional Shopping Center | 181803 | 52.8887 | 2.3900e-003 | 4.9000e-004 | 53.0959 |
| **Total** | | **81.3345** | **3.6800e-003** | **7.6000e-004** | **81.6532** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 97781.5 | 28.4458 | 1.2900e-003 | 2.7000e-004 | 28.5572 |
| Regional Shopping Center | 181803 | 52.8887 | 2.3900e-003 | 4.9000e-004 | 53.0959 |
| **Total** | | **81.3345** | **3.6800e-003** | **7.6000e-004** | **81.6532** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| Unmitigated | 0.1129 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |

## 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 | 0.0258 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0871 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| **Total** | **0.1129** | **0.0000** | **2.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **4.0000e-004** | **4.0000e-004** | **0.0000** | **0.0000** | **4.2000e-004** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0258 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0871 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.0000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.0000 | 4.2000e-004 |
| **Total** | **0.1129** | **0.0000** | **2.0000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **4.0000e-004** | **4.0000e-004** | **0.0000** | **0.0000** | **4.2000e-004** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |
| Unmitigated | 6.4582 | 0.0839 | 2.0300e-003 | 9.1605 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.57117 / 0.962973 | 3.9522 | 0.0514 | 1.2400e-003 | 5.6058 |
| Regional Shopping Center | 0.996275 / 0.61062 | 2.5061 | 0.0326 | 7.9000e-004 | 3.5547 |
| **Total** | | **6.4582** | **0.0839** | **2.0300e-003** | **9.1605** |

### 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 1.57117 / 0.962973 | 3.9522 | 0.0514 | 1.2400e-003 | 5.6058 |
| Regional Shopping Center | 0.996275 / 0.61062 | 2.5061 | 0.0326 | 7.9000e-004 | 3.5547 |
| **Total** | | **6.4582** | **0.0839** | **2.0300e-003** | **9.1605** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 4.5348 | 0.2680 | 0.0000 | 11.2348 |
| Unmitigated | 4.5348 | 0.2680 | 0.0000 | 11.2348 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Office Building | 8.22 | 1.6686 | 0.0986 | 0.0000 | 4.1339 |
| Regional Shopping Center | 14.12 | 2.8662 | 0.1694 | 0.0000 | 7.1010 |
| **Total** | | **4.5348** | **0.2680** | **0.0000** | **11.2348** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| General Office Building | 8.22 | 1.6686 | 0.0986 | 0.0000 | 4.1339 |
| Regional Shopping Center | 14.12 | 2.8662 | 0.1694 | 0.0000 | 7.1010 |
| **Total** | | **4.5348** | **0.2680** | **0.0000** | **11.2348** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Construction Phase 3 - HRA Mitigation

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 8.84 | 1000sqft | 0.20 | 8,841.00 | 0 |
| Regional Shopping Center | 13.45 | 1000sqft | 0.31 | 13,447.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Building's 1 and 2 retail sqft combined

Construction Phase - No demo, site prep, grading, or paving

Grading -

Construction Off-road Equipment Mitigation - tier for equipment >50hp

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

| | | | |
|---|---|---|---|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| 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 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | NumDays | 1.00 | 0.00 |
| tblConstructionPhase | NumDays | 2.00 | 0.00 |
| tblConstructionPhase | NumDays | 5.00 | 0.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblLandUse | LandUseSquareFeet | 8,840.00 | 8,841.00 |
| tblLandUse | LandUseSquareFeet | 13,450.00 | 13,447.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 18.00 |

## 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 | | | | | |
| 2022 | 103.5142 | 7.4702 | 7.4967 | 0.0130 | 0.0844 | 0.3736 | 0.4580 | 0.0230 | 0.3437 | 0.3667 | 0.0000 | 1,270.3581 | 1,270.3581 | 0.3603 | 0.0000 | 1,279.3654 |
| **Maximum** | **103.5142** | **7.4702** | **7.4967** | **0.0130** | **0.0844** | **0.3736** | **0.4580** | **0.0230** | **0.3437** | **0.3667** | **0.0000** | **1,270.3581** | **1,270.3581** | **0.3603** | **0.0000** | **1,279.3654** |

**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 | | | | | |
| 2022 | 103.3394 | 1.0496 | 8.0701 | 0.0130 | 0.0844 | 0.0203 | 0.1047 | 0.0230 | 0.0202 | 0.0432 | 0.0000 | 1,270.3581 | 1,270.3581 | 0.3603 | 0.0000 | 1,279.3654 |
| **Maximum** | **103.3394** | **1.0496** | **8.0701** | **0.0130** | **0.0844** | **0.0203** | **0.1047** | **0.0230** | **0.0202** | **0.0432** | **0.0000** | **1,270.3581** | **1,270.3581** | **0.3603** | **0.0000** | **1,279.3654** |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.17** | **85.95** | **-7.65** | **0.00** | **0.00** | **94.58** | **77.15** | **0.00** | **94.13** | **88.23** | **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 | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Energy | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| Mobile | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |
| **Total** | **2.0138** | **3.1761** | **11.7511** | **0.0339** | **2.9873** | **0.0363** | **3.0235** | **0.7981** | **0.0342** | **0.8323** | | **3,440.7025** | **3,440.7025** | **0.1060** | **1.5900e-003** | **3,443.8272** |

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Energy | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| Mobile | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |
| **Total** | **2.0138** | **3.1761** | **11.7511** | **0.0339** | **2.9873** | **0.0363** | **3.0235** | **0.7981** | **0.0342** | **0.8323** | | **3,440.7025** | **3,440.7025** | **0.1060** | **1.5900e-003** | **3,443.8272** |

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

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Building Construction | Building Construction | 3/9/2022 | 7/2/2022 | 6 | 100 | |
| 2 | Demolition | Demolition | 6/1/2022 | 5/31/2022 | 6 | 0 | |
| 3 | Site Preparation | Site Preparation | 6/15/2022 | 6/14/2022 | 6 | 0 | |
| 4 | Grading | Grading | 6/16/2022 | 6/15/2022 | 6 | 0 | |
| 5 | Architectural Coating | Architectural Coating | 7/4/2022 | 7/8/2022 | 6 | 5 | |
| 6 | Paving | Paving | 11/5/2022 | 11/4/2022 | 6 | 0 | |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,432; Non-Residential Outdoor: 11,144; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |

| | | | | | |
|---|---|---|---|---|---|
| Demolition | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 0 | 8.00 | 187 | 0.41 |
| Site Preparation | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 0 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 0 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 7.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 0 | 5.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 0 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 1.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

## 3.2 Building Construction - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6863 | 7.0258 | 7.1527 | 0.0114 | | 0.3719 | 0.3719 | | 0.3422 | 0.3422 | | 1,103.9393 | 1,103.9393 | 0.3570 | | 1,112.8652 |
| **Total** | **0.6863** | **7.0258** | **7.1527** | **0.0114** | | **0.3719** | **0.3719** | | **0.3422** | **0.3422** | | **1,103.9393** | **1,103.9393** | **0.3570** | | **1,112.8652** |

## 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 | 0.0128 | 0.4291 | 0.1337 | 1.0700e-003 | 0.0269 | 1.2200e-003 | 0.0281 | 7.7400e-003 | 1.1700e-003 | 8.9000e-003 | | 111.5083 | 111.5083 | 1.7600e-003 | | 111.5525 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 5.5000e-004 | 0.0575 | 4.1000e-004 | 0.0579 | 0.0153 | 3.7000e-004 | 0.0156 | | 54.9104 | 54.9104 | 1.4900e-003 | | 54.9477 |
| **Total** | **0.0465** | **0.4444** | **0.3440** | **1.6200e-003** | **0.0844** | **1.6300e-003** | **0.0860** | **0.0230** | **1.5400e-003** | **0.0245** | | **166.4187** | **166.4187** | **3.2500e-003** | | **166.5002** |

## 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 | 0.1397 | 0.6052 | 7.7261 | 0.0114 | | 0.0186 | 0.0186 | | 0.0186 | 0.0186 | 0.0000 | 1,103.9393 | 1,103.9393 | 0.3570 | | 1,112.8652 |
| **Total** | **0.1397** | **0.6052** | **7.7261** | **0.0114** | | **0.0186** | **0.0186** | | **0.0186** | **0.0186** | **0.0000** | **1,103.9393** | **1,103.9393** | **0.3570** | | **1,112.8652** |

**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 | 0.0128 | 0.4291 | 0.1337 | 1.0700e-003 | 0.0269 | 1.2200e-003 | 0.0281 | 7.7400e-003 | 1.1700e-003 | 8.9000e-003 | | 111.5083 | 111.5083 | 1.7600e-003 | | 111.5525 |
| Worker | 0.0337 | 0.0153 | 0.2103 | 5.5000e-004 | 0.0575 | 4.1000e-004 | 0.0579 | 0.0153 | 3.7000e-004 | 0.0156 | | 54.9104 | 54.9104 | 1.4900e-003 | | 54.9477 |
| **Total** | **0.0465** | **0.4444** | **0.3440** | **1.6200e-003** | **0.0844** | **1.6300e-003** | **0.0860** | **0.0230** | **1.5400e-003** | **0.0245** | | **166.4187** | **166.4187** | **3.2500e-003** | | **166.5002** |

## 3.3 Demolition - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Site Preparation - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Grading - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.6 Architectural Coating - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 103.3049 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| **Total** | **103.5094** | **1.4085** | **1.8136** | **2.9700e-003** | | **0.0817** | **0.0817** | | **0.0817** | **0.0817** | | **281.4481** | **281.4481** | **0.0183** | | **281.9062** |

## 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 | 4.8200e-003 | 2.1900e-003 | 0.0300 | 8.0000e-005 | 8.2100e-003 | 6.0000e-005 | 8.2700e-003 | 2.1800e-003 | 5.0000e-005 | 2.2300e-003 | | 7.8443 | 7.8443 | 2.1000e-004 | | 7.8497 |
| **Total** | **4.8200e-003** | **2.1900e-003** | **0.0300** | **8.0000e-005** | **8.2100e-003** | **6.0000e-005** | **8.2700e-003** | **2.1800e-003** | **5.0000e-005** | **2.2300e-003** | | **7.8443** | **7.8443** | **2.1000e-004** | | **7.8497** |

## 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 | 103.3049 | | | | | 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 | 0.0183 | | 281.9062 |
| **Total** | **103.3346** | **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** | **0.0183** | | **281.9062** |

**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 | 4.8200e-003 | 2.1900e-003 | 0.0300 | 8.0000e-005 | 8.2100e-003 | 6.0000e-005 | 8.2700e-003 | 2.1800e-003 | 5.0000e-005 | 2.2300e-003 | | 7.8443 | 7.8443 | 2.1000e-004 | | 7.8497 |
| **Total** | **4.8200e-003** | **2.1900e-003** | **0.0300** | **8.0000e-005** | **8.2100e-003** | **6.0000e-005** | **8.2700e-003** | **2.1800e-003** | **5.0000e-005** | **2.2300e-003** | | **7.8443** | **7.8443** | **2.1000e-004** | | **7.8497** |

## 3.7 Paving - 2022

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 1.3871 | 3.1037 | 11.6880 | 0.0334 | 2.9873 | 0.0307 | 3.0180 | 0.7981 | 0.0287 | 0.8268 | | 3,353.7658 | 3,353.7658 | 0.1043 | | 3,356.3735 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 97.51 | 21.75 | 9.28 | 177,031 | 177,031 |
| Regional Shopping Center | 574.32 | 672.10 | 339.48 | 972,621 | 972,621 |
| Total | 671.82 | 693.84 | 348.76 | 1,149,652 | 1,149,652 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |
| NaturalGas Unmitigated | 7.9700e-003 | 0.0724 | 0.0609 | 4.3000e-004 | | 5.5100e-003 | 5.5100e-003 | | 5.5100e-003 | 5.5100e-003 | | 86.9318 | 86.9318 | 1.6700e-003 | 1.5900e-003 | 87.4484 |

## 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 | 473.296 | 5.1000e-003 | 0.0464 | 0.0390 | 2.8000e-004 | | 3.5300e-003 | 3.5300e-003 | | 3.5300e-003 | 3.5300e-003 | | 55.6819 | 55.6819 | 1.0700e-003 | 1.0200e-003 | 56.0128 |
| Regional Shopping Center | 265.624 | 2.8600e-003 | 0.0260 | 0.0219 | 1.6000e-004 | | 1.9800e-003 | 1.9800e-003 | | 1.9800e-003 | 1.9800e-003 | | 31.2499 | 31.2499 | 6.0000e-004 | 5.7000e-004 | 31.4356 |
| **Total** | | **7.9600e-003** | **0.0724** | **0.0609** | **4.4000e-004** | | **5.5100e-003** | **5.5100e-003** | | **5.5100e-003** | **5.5100e-003** | | **86.9318** | **86.9318** | **1.6700e-003** | **1.5900e-003** | **87.4484** |

**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 | 0.473296 | 5.1000e-003 | 0.0464 | 0.0390 | 2.8000e-004 | | 3.5300e-003 | 3.5300e-003 | | 3.5300e-003 | 3.5300e-003 | | 55.6819 | 55.6819 | 1.0700e-003 | 1.0200e-003 | 56.0128 |
| Regional Shopping Center | 0.265624 | 2.8600e-003 | 0.0260 | 0.0219 | 1.6000e-004 | | 1.9800e-003 | 1.9800e-003 | | 1.9800e-003 | 1.9800e-003 | | 31.2499 | 31.2499 | 6.0000e-004 | 5.7000e-004 | 31.4356 |
| **Total** | | **7.9600e-003** | **0.0724** | **0.0609** | **4.4000e-004** | | **5.5100e-003** | **5.5100e-003** | | **5.5100e-003** | **5.5100e-003** | | **86.9318** | **86.9318** | **1.6700e-003** | **1.5900e-003** | **87.4484** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| Unmitigated | 0.6187 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1415 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4770 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.1000e-004 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |
| **Total** | **0.6187** | **2.0000e-005** | **2.2800e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.8800e-003** | **4.8800e-003** | **1.0000e-005** | | **5.2000e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1415 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4770 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.1000e-004 | 2.0000e-005 | 2.2800e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.8800e-003 | 4.8800e-003 | 1.0000e-005 | | 5.2000e-003 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.6187** | **2.0000e-005** | **2.2800e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.8800e-003** | **4.8800e-003** | **1.0000e-005** | | **5.2000e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Montano - Operations

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| General Office Building | 14.69 | 1000sqft | 0.34 | 14,694.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| City Park | 2.90 | Acre | 2.90 | 126,324.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 9.91 | 1000sqft | 0.23 | 9,907.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 31.78 | 1000sqft | 0.73 | 31,776.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel square footage based on 4-story building

Construction Phase - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Grading - Adjusted total acres graded

Water And Wastewater - 100% aerobic
Building water use is 87 EDUs
Irrigation water use is 3 EDUs
1 EDU = 240 gal/day

Land Use Change -

Sequestration -

Energy Mitigation - 30% improvement in Title 24 to meet 2019 Standards

Water Mitigation - Default % reductions used. Defaults are based on 2016 Title 24 Standards, therefore water use is conservative.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 0.00 |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 14,690.00 | 14,694.00 |
| tblLandUse | LandUseSquareFeet | 9,910.00 | 9,907.00 |

| | | | |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LandUseSquareFeet | 31,780.00 | 31,776.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblSequestration | NumberOfNewTrees | 0.00 | 507.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 469.36 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 1.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |
| tblVehicleTrips | ST_TR | 10.71 | 3.76 |
| tblVehicleTrips | ST_TR | 22.75 | 7.98 |
| tblVehicleTrips | ST_TR | 722.03 | 253.17 |
| tblVehicleTrips | ST_TR | 2.46 | 0.86 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 158.37 | 55.53 |
| tblVehicleTrips | ST_TR | 8.19 | 2.87 |
| tblVehicleTrips | ST_TR | 94.36 | 33.09 |
| tblVehicleTrips | ST_TR | 49.97 | 17.52 |
| tblVehicleTrips | ST_TR | 177.59 | 62.27 |
| tblVehicleTrips | SU_TR | 10.71 | 4.65 |
| tblVehicleTrips | SU_TR | 16.74 | 7.26 |
| tblVehicleTrips | SU_TR | 542.72 | 235.42 |
| tblVehicleTrips | SU_TR | 1.05 | 0.46 |
| tblVehicleTrips | SU_TR | 131.84 | 57.19 |
| tblVehicleTrips | SU_TR | 5.95 | 2.58 |
| tblVehicleTrips | SU_TR | 72.16 | 31.30 |
| tblVehicleTrips | SU_TR | 25.24 | 10.95 |
| tblVehicleTrips | SU_TR | 166.44 | 72.20 |
| tblVehicleTrips | WD_TR | 10.71 | 5.25 |
| tblVehicleTrips | WD_TR | 1.89 | 0.93 |
| tblVehicleTrips | WD_TR | 496.12 | 243.35 |
| tblVehicleTrips | WD_TR | 11.03 | 5.41 |
| tblVehicleTrips | WD_TR | 127.15 | 62.37 |
| tblVehicleTrips | WD_TR | 8.17 | 4.01 |
| tblVehicleTrips | WD_TR | 89.95 | 44.12 |
| tblVehicleTrips | WD_TR | 42.70 | 20.95 |
| tblVehicleTrips | WD_TR | 102.24 | 50.15 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |

| | | | |
|---|---|---|---|
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,369,235.65 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,113,968.72 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,232,976.88 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,008,019.09 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,536,677.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,062,367.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,354,024.73 | 7,621,200.00 |
| tblWater | IndoorWaterUseRate | 3,694,348.40 | 0.00 |
| tblWater | OutdoorWaterUseRate | 151,227.81 | 0.00 |
| tblWater | OutdoorWaterUseRate | 3,455,295.91 | 262,800.00 |
| tblWater | OutdoorWaterUseRate | 71,104.39 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,981,501.96 | 0.00 |
| tblWater | OutdoorWaterUseRate | 192,001.22 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 281,853.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 67,810.72 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,442,789.35 | 0.00 |
| tblWater | OutdoorWaterUseRate | 114,258.20 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |

## 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| | | **Highest** | | |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Energy | 0.0232 | 0.2105 | 0.1768 | 1.2600e-003 | | 0.0160 | 0.0160 | | 0.0160 | 0.0160 | 0.0000 | 947.7150 | 947.7150 | 0.0369 | 0.0109 | 951.8923 |
| Mobile | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |
| Stationary | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.8816 | 0.0000 | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.6964 | 12.2643 | 14.9607 | 9.8400e-003 | 5.9800e-003 | 16.9882 |
| **Total** | **1.8785** | **2.9588** | **9.5882** | **0.0243** | **2.0599** | **0.0396** | **2.0995** | **0.5522** | **0.0380** | **0.5903** | **91.5780** | **3,058.1592** | **3,149.7372** | **5.3742** | **0.0169** | **3,289.1291** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Energy | 0.0187 | 0.1702 | 0.1429 | 1.0200e-003 | | 0.0129 | 0.0129 | | 0.0129 | 0.0129 | 0.0000 | 863.7781 | 863.7781 | 0.0342 | 9.7400e-003 | 867.5376 |
| Mobile | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |
| Stationary | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.8816 | 0.0000 | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.1571 | 9.8486 | 12.0057 | 7.8700e-003 | 4.7800e-003 | 13.6279 |
| **Total** | **1.8741** | **2.9184** | **9.5543** | **0.0241** | **2.0599** | **0.0365** | **2.0964** | **0.5522** | **0.0350** | **0.5872** | **91.0387** | **2,971.8066** | **3,062.8453** | **5.3696** | **0.0145** | **3,201.4141** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.24** | **1.36** | **0.35** | **0.99** | **0.00** | **7.75** | **0.15** | **0.00** | **8.07** | **0.52** | **0.59** | **2.82** | **2.76** | **0.09** | **14.08** | **2.67** |

## 2.3 Vegetation

**Vegetation**

| | CO2e |
|---|---|
| Category | MT |
| New Trees | 358.9560 |
| **Total** | **358.9560** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Grading | Grading | 1/1/2020 | 12/31/2019 | 5 | 0 | |
| 2 | Building Construction | Building Construction | 2/12/2020 | 2/11/2020 | 5 | 0 | |
| 3 | Paving | Paving | 4/7/2021 | 4/6/2021 | 5 | 0 | |
| 4 | Architectural Coating | Architectural Coating | 5/5/2021 | 5/4/2021 | 5 | 0 | |

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

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

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,336; Non-Residential Outdoor: 73,779; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 0 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 275.00 | 110.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 55.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.3 Building Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Building Construction - 2020

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Paving - 2021

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Architectural Coating - 2021

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 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 | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |
| Unmitigated | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 28.88 | 20.68 | 25.58 | 52,885 | 52,885 |
| City Park | 2.70 | 23.14 | 21.05 | 17,591 | 17,591 |
| Fast Food Restaurant with Drive Thru | 893.09 | 929.13 | 863.99 | 835,366 | 835,366 |
| General Office Building | 18.94 | 3.01 | 1.61 | 33,899 | 33,899 |
| General Office Building | 79.47 | 12.63 | 6.76 | 142,277 | 142,277 |
| High Turnover (Sit Down Restaurant) | 618.09 | 550.30 | 566.75 | 697,400 | 697,400 |
| Hotel | 401.00 | 287.00 | 258.00 | 692,118 | 692,118 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 154.42 | 115.82 | 109.55 | 169,023 | 169,023 |
| Regional Shopping Center | 665.79 | 556.79 | 347.99 | 1,060,432 | 1,060,432 |
| Supermarket | 1,503.00 | 1,866.23 | 2163.83 | 1,875,976 | 1,875,976 |
| Total | 4,365.37 | 4,364.73 | 4,365.12 | 5,576,967 | 5,576,967 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| City Park | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| City Park | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Montano - Operations - El Dorado-Mountain County County, Annual

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 678.5344 | 678.5344 | 0.0307 | 6.3500e-003 | 681.1931 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 718.5641 | 718.5641 | 0.0325 | 6.7200e-003 | 721.3796 |
| NaturalGas Mitigated | 0.0187 | 0.1702 | 0.1429 | 1.0200e-003 | | 0.0129 | 0.0129 | | 0.0129 | 0.0129 | 0.0000 | 185.2437 | 185.2437 | 3.5500e-003 | 3.4000e-003 | 186.3445 |
| NaturalGas Unmitigated | 0.0232 | 0.2105 | 0.1768 | 1.2600e-003 | | 0.0160 | 0.0160 | | 0.0160 | 0.0160 | 0.0000 | 229.1510 | 229.1510 | 4.3900e-003 | 4.2000e-003 | 230.5127 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 287121 | 1.5500e-003 | 0.0141 | 0.0118 | 8.0000e-005 | | 1.0700e-003 | 1.0700e-003 | | 1.0700e-003 | 1.0700e-003 | 0.0000 | 15.3219 | 15.3219 | 2.9000e-004 | 2.8000e-004 | 15.4129 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 1.15119e+006 | 6.2100e-003 | 0.0564 | 0.0474 | 3.4000e-004 | | 4.2900e-003 | 4.2900e-003 | | 4.2900e-003 | 4.2900e-003 | 0.0000 | 61.4321 | 61.4321 | 1.1800e-003 | 1.1300e-003 | 61.7971 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 229105 | 1.2400e-003 | 0.0112 | 9.4300e-003 | 7.0000e-005 | | 8.5000e-004 | 8.5000e-004 | | 8.5000e-004 | 8.5000e-004 | 0.0000 | 12.2259 | 12.2259 | 2.3000e-004 | 2.2000e-004 | 12.2986 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0232** | **0.2105** | **0.1768** | **1.2800e-003** | | **0.0160** | **0.0160** | | **0.0160** | **0.0160** | **0.0000** | **229.1510** | **229.1510** | **4.4000e-003** | **4.2000e-003** | **230.5127** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 14025 | 8.0000e-005 | 6.9000e-004 | 5.8000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.7484 | 0.7484 | 1.0000e-005 | 1.0000e-005 | 0.7529 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 396011 | 2.1400e-003 | 0.0194 | 0.0163 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1327 | 21.1327 | 4.1000e-004 | 3.9000e-004 | 21.2583 |
| General Office Building | 200985 | 1.0800e-003 | 9.8500e-003 | 8.2800e-003 | 6.0000e-005 | | 7.5000e-004 | 7.5000e-004 | | 7.5000e-004 | 7.5000e-004 | 0.0000 | 10.7253 | 10.7253 | 2.1000e-004 | 2.0000e-004 | 10.7890 |
| General Office Building | 47873 | 2.6000e-004 | 2.3500e-003 | 1.9700e-003 | 1.0000e-005 | | 1.8000e-004 | 1.8000e-004 | | 1.8000e-004 | 1.8000e-004 | 0.0000 | 2.5547 | 2.5547 | 5.0000e-005 | 5.0000e-005 | 2.5699 |
| High Turnover (Sit Down Restaurant) | 1.06901e+006 | 5.7600e-003 | 0.0524 | 0.0440 | 3.1000e-004 | | 3.9800e-003 | 3.9800e-003 | | 3.9800e-003 | 3.9800e-003 | 0.0000 | 57.0467 | 57.0467 | 1.0900e-003 | 1.0500e-003 | 57.3857 |
| Hotel | 655197 | 3.5300e-003 | 0.0321 | 0.0270 | 1.9000e-004 | | 2.4400e-003 | 2.4400e-003 | | 2.4400e-003 | 2.4400e-003 | 0.0000 | 34.9638 | 34.9638 | 6.7000e-004 | 6.4000e-004 | 35.1716 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 377668 | 2.0400e-003 | 0.0185 | 0.0156 | 1.1000e-004 | | 1.4100e-003 | 1.4100e-003 | | 1.4100e-003 | 1.4100e-003 | 0.0000 | 20.1538 | 20.1538 | 3.9000e-004 | 3.7000e-004 | 20.2735 |
| Regional Shopping Center | 160373 | 8.6000e-004 | 7.8600e-003 | 6.6000e-003 | 5.0000e-005 | | 6.0000e-004 | 6.0000e-004 | | 6.0000e-004 | 6.0000e-004 | 0.0000 | 8.5581 | 8.5581 | 1.6000e-004 | 1.6000e-004 | 8.6090 |
| Supermarket | 550189 | 2.9700e-003 | 0.0270 | 0.0227 | 1.6000e-004 | | 2.0500e-003 | 2.0500e-003 | | 2.0500e-003 | 2.0500e-003 | 0.0000 | 29.3602 | 29.3602 | 5.6000e-004 | 5.4000e-004 | 29.5347 |
| **Total** | | **0.0187** | **0.1702** | **0.1429** | **1.0100e-003** | | **0.0129** | **0.0129** | | **0.0129** | **0.0129** | **0.0000** | **185.2437** | **185.2437** | **3.5500e-003** | **3.4100e-003** | **186.3445** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 162516 | 47.2777 | 2.1400e-003 | 4.4000e-004 | 47.4629 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 243415 | 70.8122 | 3.2000e-003 | 6.6000e-004 | 71.0897 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 429612 | 124.9789 | 5.6500e-003 | 1.1700e-003 | 125.4686 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **718.5641** | **0.0325** | **6.7200e-003** | **721.3796** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 22517 | 6.5505 | 3.0000e-004 | 6.0000e-005 | 6.5761 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 85767.9 | 24.9509 | 1.1300e-003 | 2.3000e-004 | 25.0486 |
| General Office Building | 146514 | 42.6226 | 1.9300e-003 | 4.0000e-004 | 42.7896 |
| General Office Building | 34898.5 | 10.1524 | 4.6000e-004 | 9.0000e-005 | 10.1922 |
| High Turnover (Sit Down Restaurant) | 231527 | 67.3537 | 3.0500e-003 | 6.3000e-004 | 67.6177 |
| Hotel | 308704 | 89.8056 | 4.0600e-003 | 8.4000e-004 | 90.1575 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 81795 | 23.7951 | 1.0800e-003 | 2.2000e-004 | 23.8883 |
| Regional Shopping Center | 381852 | 111.0852 | 5.0200e-003 | 1.0400e-003 | 111.5205 |
| Supermarket | 1.00286e+006 | 291.7424 | 0.0132 | 2.7300e-003 | 292.8855 |
| **Total** | | **678.5344** | **0.0307** | **6.3400e-003** | **681.1931** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Unmitigated | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |

## 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 | 0.1849 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.6033 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.1000e-004 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| **Total** | **0.7886** | **5.0000e-005** | **5.5500e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **0.0108** | **0.0108** | **3.0000e-005** | **0.0000** | **0.0115** |

**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 | 0.1849 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.6033 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.1000e-004 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| **Total** | **0.7886** | **5.0000e-005** | **5.5500e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **0.0108** | **0.0108** | **3.0000e-005** | **0.0000** | **0.0115** |

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 12.0057 | 7.8700e-003 | 4.7800e-003 | 13.6279 |
| Unmitigated | 14.9607 | 9.8400e-003 | 5.9800e-003 | 16.9882 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| City Park | 0 / 0.2628 | 0.2676 | 1.0000e-005 | 0.0000 | 0.2686 |
| Fast Food Restaurant with Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 7.6212 / 0 | 14.6931 | 9.8200e-003 | 5.9800e-003 | 16.7195 |
| Supermarket | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **14.9607** | **9.8300e-003** | **5.9800e-003** | **16.9882** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| City Park | 0 / 0.246769 | 0.2513 | 1.0000e-005 | 0.0000 | 0.2522 |
| Fast Food Restaurant with Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 6.09696 / 0 | 11.7545 | 7.8600e-003 | 4.7800e-003 | 13.3756 |
| Supermarket | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **12.0057** | **7.8700e-003** | **4.7800e-003** | **13.6279** |

## 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Unmitigated | 88.8816 | 5.2528 | 0.0000 | 220.2005 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| City Park | 0.25 | 0.0508 | 3.0000e-003 | 0.0000 | 0.1257 |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 16.92 | 3.4346 | 0.2030 | 0.0000 | 8.5091 |
| High Turnover (Sit Down Restaurant) | 117.93 | 23.9387 | 1.4147 | 0.0000 | 59.3072 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 33.37 | 6.7738 | 0.4003 | 0.0000 | 16.7818 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **88.8816** | **5.2528** | **0.0000** | **220.2005** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| City Park | 0.25 | 0.0508 | 3.0000e-003 | 0.0000 | 0.1257 |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 16.92 | 3.4346 | 0.2030 | 0.0000 | 8.5091 |
| High Turnover (Sit Down Restaurant) | 117.93 | 23.9387 | 1.4147 | 0.0000 | 59.3072 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 33.37 | 6.7738 | 0.4003 | 0.0000 | 16.7818 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **88.8816** | **5.2528** | **0.0000** | **220.2005** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Emergency Generator | 1 | 0 | 1 | 469.358 | 0.73 | Diesel |

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

### User Defined Equipment

| Equipment Type | Number |
|---|---|

## 10.1 Stationary Sources

### Unmitigated/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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (300 - 600 HP) | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| **Total** | **3.8000e-004** | **1.0800e-003** | **9.8000e-004** | **0.0000** | | **6.0000e-005** | **6.0000e-005** | | **6.0000e-005** | **6.0000e-005** | **0.0000** | **0.1786** | **0.1786** | **3.0000e-005** | **0.0000** | **0.1792** |

## 11.0 Vegetation

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT | | | |
| Unmitigated | 358.9560 | 0.0000 | 0.0000 | 358.9560 |

## 11.2 Net New Trees

**Species Class**

| | Number of Trees | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| | | MT | | | |
| Miscellaneous | 507 | 358.9560 | 0.0000 | 0.0000 | 358.9560 |
| **Total** | | **358.9560** | **0.0000** | **0.0000** | **358.9560** |

# Montano - Operations

**El Dorado-Mountain County County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| General Office Building | 14.69 | 1000sqft | 0.34 | 14,694.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| City Park | 2.90 | Acre | 2.90 | 126,324.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 9.91 | 1000sqft | 0.23 | 9,907.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 31.78 | 1000sqft | 0.73 | 31,776.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel square footage based on 4-story building

Construction Phase - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Grading - Adjusted total acres graded

Water And Wastewater - 100% aerobic
Building water use is 87 EDUs
Irrigation water use is 3 EDUs
1 EDU = 240 gal/day

Land Use Change -

Sequestration -

Energy Mitigation - 30% improvement in Title 24 to meet 2019 Standards

Water Mitigation - Default % reductions used. Defaults are based on 2016 Title 24 Standards, therefore water use is conservative.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblConstructionPhase | NumDays | 300.00 | 0.00 |
| tblConstructionPhase | NumDays | 30.00 | 0.00 |
| tblConstructionPhase | NumDays | 20.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 14,690.00 | 14,694.00 |
| tblLandUse | LandUseSquareFeet | 9,910.00 | 9,907.00 |

Montano - Operations - El Dorado-Mountain County County, Summer

| | | | |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LandUseSquareFeet | 31,780.00 | 31,776.00 |
| tblLandUse | LotAcreage | 3.33 | 0.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblSequestration | NumberOfNewTrees | 0.00 | 507.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 469.36 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 1.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |
| tblVehicleTrips | ST_TR | 10.71 | 3.76 |
| tblVehicleTrips | ST_TR | 22.75 | 7.98 |
| tblVehicleTrips | ST_TR | 722.03 | 253.17 |
| tblVehicleTrips | ST_TR | 2.46 | 0.86 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 158.37 | 55.53 |
| tblVehicleTrips | ST_TR | 8.19 | 2.87 |
| tblVehicleTrips | ST_TR | 94.36 | 33.09 |
| tblVehicleTrips | ST_TR | 49.97 | 17.52 |
| tblVehicleTrips | ST_TR | 177.59 | 62.27 |
| tblVehicleTrips | SU_TR | 10.71 | 4.65 |
| tblVehicleTrips | SU_TR | 16.74 | 7.26 |
| tblVehicleTrips | SU_TR | 542.72 | 235.42 |
| tblVehicleTrips | SU_TR | 1.05 | 0.46 |
| tblVehicleTrips | SU_TR | 131.84 | 57.19 |
| tblVehicleTrips | SU_TR | 5.95 | 2.58 |
| tblVehicleTrips | SU_TR | 72.16 | 31.30 |
| tblVehicleTrips | SU_TR | 25.24 | 10.95 |
| tblVehicleTrips | SU_TR | 166.44 | 72.20 |
| tblVehicleTrips | WD_TR | 10.71 | 5.25 |
| tblVehicleTrips | WD_TR | 1.89 | 0.93 |
| tblVehicleTrips | WD_TR | 496.12 | 243.35 |
| tblVehicleTrips | WD_TR | 11.03 | 5.41 |
| tblVehicleTrips | WD_TR | 127.15 | 62.37 |
| tblVehicleTrips | WD_TR | 8.17 | 4.01 |
| tblVehicleTrips | WD_TR | 89.95 | 44.12 |
| tblVehicleTrips | WD_TR | 42.70 | 20.95 |
| tblVehicleTrips | WD_TR | 102.24 | 50.15 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |

| | | | |
|---|---|---|---|
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,369,235.65 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,113,968.72 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,232,976.88 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,008,019.09 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,536,677.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,062,367.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,354,024.73 | 7,621,200.00 |
| tblWater | IndoorWaterUseRate | 3,694,348.40 | 0.00 |
| tblWater | OutdoorWaterUseRate | 151,227.81 | 0.00 |
| tblWater | OutdoorWaterUseRate | 3,455,295.91 | 262,800.00 |
| tblWater | OutdoorWaterUseRate | 71,104.39 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,981,501.96 | 0.00 |
| tblWater | OutdoorWaterUseRate | 192,001.22 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 281,853.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 67,810.72 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,442,789.35 | 0.00 |
| tblWater | OutdoorWaterUseRate | 114,258.20 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |

## 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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0964 | 0.0000 | 0.0000 | 0.0916 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 4.2000e-003 | 0.0000 | 0.0000 | 3.8700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0964** | **0.0000** | **0.0000** | **0.0916** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0964 | 0.0000 | 0.0000 | 0.0916 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 4.2000e-003 | 0.0000 | 0.0000 | 3.8700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Maximum** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0964** | **0.0000** | **0.0000** | **0.0916** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

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

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 4.3242 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |
| Energy | 0.1269 | 1.1534 | 0.9689 | 6.9200e-003 | | 0.0877 | 0.0877 | | 0.0877 | 0.0877 | | 1,384.0860 | 1,384.0860 | 0.0265 | 0.0254 | 1,392.3110 |
| Mobile | 8.5413 | 16.7346 | 59.8239 | 0.1575 | 13.7564 | 0.1504 | 13.9068 | 3.6751 | 0.1404 | 3.8155 | | 15,788.3014 | 15,788.3014 | 0.5228 | | 15,801.3720 |
| Stationary | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **12.9924** | **17.8886** | **60.8545** | **0.1644** | **13.7564** | **0.2383** | **13.9947** | **3.6751** | **0.2283** | **3.9034** | | **17,172.5197** | **17,172.5197** | **0.5497** | **0.0254** | **17,193.8239** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 4.3242 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |
| Energy | 0.1026 | 0.9324 | 0.7832 | 5.5900e-003 | | 0.0709 | 0.0709 | | 0.0709 | 0.0709 | | 1,118.8834 | 1,118.8834 | 0.0215 | 0.0205 | 1,125.5324 |
| Mobile | 8.5413 | 16.7346 | 59.8239 | 0.1575 | 13.7564 | 0.1504 | 13.9068 | 3.6751 | 0.1404 | 3.8155 | | 15,788.3014 | 15,788.3014 | 0.5228 | | 15,801.3720 |
| Stationary | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **12.9681** | **17.6676** | **60.6688** | **0.1631** | **13.7564** | **0.2215** | **13.9779** | **3.6751** | **0.2115** | **3.8866** | | **16,907.3171** | **16,907.3171** | **0.5446** | **0.0205** | **16,927.0453** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.19** | **1.24** | **0.31** | **0.81** | **0.00** | **7.05** | **0.12** | **0.00** | **7.36** | **0.43** | **0.00** | **1.54** | **1.54** | **0.92** | **19.16** | **1.55** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Grading | Grading | 1/1/2020 | 12/31/2019 | 5 | 0 | |
| 2 | Building Construction | Building Construction | 2/12/2020 | 2/11/2020 | 5 | 0 | |
| 3 | Paving | Paving | 4/7/2021 | 4/6/2021 | 5 | 0 | |
| 4 | Architectural Coating | Architectural Coating | 5/5/2021 | 5/4/2021 | 5 | 0 | |

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

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

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,336; Non-Residential Outdoor: 73,779; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 0 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 275.00 | 110.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 55.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.3 Building Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Building Construction - 2020

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.3 Building Construction - 2020

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Paving - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Paving - 2021

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.4 Paving - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Architectural Coating - 2021

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 3.5 Architectural Coating - 2021

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 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 | 8.5413 | 16.7346 | 59.8239 | 0.1575 | 13.7564 | 0.1504 | 13.9068 | 3.6751 | 0.1404 | 3.8155 | | 15,788.3014 | 15,788.3014 | 0.5228 | | 15,801.3720 |
| Unmitigated | 8.5413 | 16.7346 | 59.8239 | 0.1575 | 13.7564 | 0.1504 | 13.9068 | 3.6751 | 0.1404 | 3.8155 | | 15,788.3014 | 15,788.3014 | 0.5228 | | 15,801.3720 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 28.88 | 20.68 | 25.58 | 52,885 | 52,885 |
| City Park | 2.70 | 23.14 | 21.05 | 17,591 | 17,591 |
| Fast Food Restaurant with Drive Thru | 893.09 | 929.13 | 863.99 | 835,366 | 835,366 |
| General Office Building | 18.94 | 3.01 | 1.61 | 33,899 | 33,899 |
| General Office Building | 79.47 | 12.63 | 6.76 | 142,277 | 142,277 |
| High Turnover (Sit Down Restaurant) | 618.09 | 550.30 | 566.75 | 697,400 | 697,400 |
| Hotel | 401.00 | 287.00 | 258.00 | 692,118 | 692,118 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 154.42 | 115.82 | 109.55 | 169,023 | 169,023 |
| Regional Shopping Center | 665.79 | 556.79 | 347.99 | 1,060,432 | 1,060,432 |
| Supermarket | 1,503.00 | 1,866.23 | 2163.83 | 1,875,976 | 1,875,976 |
| Total | 4,365.37 | 4,364.73 | 4,365.12 | 5,576,967 | 5,576,967 |

## 4.3 Trip Type Information

Montano - Operations - El Dorado-Mountain County County, Summer

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| City Park | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| City Park | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Montano - Operations - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.1026 | 0.9324 | 0.7832 | 5.5900e-003 | | 0.0709 | 0.0709 | | 0.0709 | 0.0709 | | 1,118.8834 | 1,118.8834 | 0.0215 | 0.0205 | 1,125.5324 |
| NaturalGas Unmitigated | 0.1269 | 1.1534 | 0.9689 | 6.9200e-003 | | 0.0877 | 0.0877 | | 0.0877 | 0.0877 | | 1,384.0860 | 1,384.0860 | 0.0265 | 0.0254 | 1,392.3110 |

## 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 | | | | | |
| Arena | 52.8904 | 5.7000e-004 | 5.1900e-003 | 4.3600e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | | 6.2224 | 6.2224 | 1.2000e-004 | 1.1000e-004 | 6.2594 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 1168.37 | 0.0126 | 0.1146 | 0.0962 | 6.9000e-004 | | 8.7100e-003 | 8.7100e-003 | | 8.7100e-003 | 8.7100e-003 | | 137.4550 | 137.4550 | 2.6300e-003 | 2.5200e-003 | 138.2718 |
| General Office Building | 187.37 | 2.0200e-003 | 0.0184 | 0.0154 | 1.1000e-004 | | 1.4000e-003 | 1.4000e-003 | | 1.4000e-003 | 1.4000e-003 | | 22.0435 | 22.0435 | 4.2000e-004 | 4.0000e-004 | 22.1745 |
| General Office Building | 786.632 | 8.4800e-003 | 0.0771 | 0.0648 | 4.6000e-004 | | 5.8600e-003 | 5.8600e-003 | | 5.8600e-003 | 5.8600e-003 | | 92.5450 | 92.5450 | 1.7700e-003 | 1.7000e-003 | 93.0949 |
| High Turnover (Sit Down Restaurant) | 3153.95 | 0.0340 | 0.3092 | 0.2597 | 1.8600e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.0535 | 371.0535 | 7.1100e-003 | 6.8000e-003 | 373.2585 |
| Hotel | 2561.73 | 0.0276 | 0.2512 | 0.2110 | 1.5100e-003 | | 0.0191 | 0.0191 | | 0.0191 | 0.0191 | | 301.3797 | 301.3797 | 5.7800e-003 | 5.5300e-003 | 303.1706 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1114.25 | 0.0120 | 0.1092 | 0.0918 | 6.6000e-004 | | 8.3000e-003 | 8.3000e-003 | | 8.3000e-003 | 8.3000e-003 | | 131.0878 | 131.0878 | 2.5100e-003 | 2.4000e-003 | 131.8668 |
| Regional Shopping Center | 627.685 | 6.7700e-003 | 0.0615 | 0.0517 | 3.7000e-004 | | 4.6800e-003 | 4.6800e-003 | | 4.6800e-003 | 4.6800e-003 | | 73.8453 | 73.8453 | 1.4200e-003 | 1.3500e-003 | 74.2841 |
| Supermarket | 2111.86 | 0.0228 | 0.2070 | 0.1739 | 1.2400e-003 | | 0.0157 | 0.0157 | | 0.0157 | 0.0157 | | 248.4540 | 248.4540 | 4.7600e-003 | 4.5500e-003 | 249.9304 |
| **Total** | | **0.1269** | **1.1534** | **0.9689** | **6.9300e-003** | | **0.0877** | **0.0877** | | **0.0877** | **0.0877** | | **1,384.0860** | **1,384.0860** | **0.0265** | **0.0254** | **1,392.3110** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Arena | 0.0384247 | 4.1000e-004 | 3.7700e-003 | 3.1600e-003 | 2.0000e-005 | | 2.9000e-004 | 2.9000e-004 | | 2.9000e-004 | 2.9000e-004 | | 4.5206 | 4.5206 | 9.0000e-005 | 8.0000e-005 | 4.5474 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 1.08496 | 0.0117 | 0.1064 | 0.0894 | 6.4000e-004 | | 8.0800e-003 | 8.0800e-003 | | 8.0800e-003 | 8.0800e-003 | | 127.6427 | 127.6427 | 2.4500e-003 | 2.3400e-003 | 128.4012 |
| General Office Building | 0.131159 | 1.4100e-003 | 0.0129 | 0.0108 | 8.0000e-005 | | 9.8000e-004 | 9.8000e-004 | | 9.8000e-004 | 9.8000e-004 | | 15.4305 | 15.4305 | 3.0000e-004 | 2.8000e-004 | 15.5222 |
| General Office Building | 0.550643 | 5.9400e-003 | 0.0540 | 0.0454 | 3.2000e-004 | | 4.1000e-003 | 4.1000e-003 | | 4.1000e-003 | 4.1000e-003 | | 64.7815 | 64.7815 | 1.2400e-003 | 1.1900e-003 | 65.1664 |
| High Turnover (Sit Down Restaurant) | 2.92881 | 0.0316 | 0.2871 | 0.2412 | 1.7200e-003 | | 0.0218 | 0.0218 | | 0.0218 | 0.0218 | | 344.5656 | 344.5656 | 6.6000e-003 | 6.3200e-003 | 346.6132 |
| Hotel | 1.79506 | 0.0194 | 0.1760 | 0.1478 | 1.0600e-003 | | 0.0134 | 0.0134 | | 0.0134 | 0.0134 | | 211.1835 | 211.1835 | 4.0500e-003 | 3.8700e-003 | 212.4385 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 1.03471 | 0.0112 | 0.1014 | 0.0852 | 6.1000e-004 | | 7.7100e-003 | 7.7100e-003 | | 7.7100e-003 | 7.7100e-003 | | 121.7301 | 121.7301 | 2.3300e-003 | 2.2300e-003 | 122.4534 |
| Regional Shopping Center | 0.439379 | 4.7400e-003 | 0.0431 | 0.0362 | 2.6000e-004 | | 3.2700e-003 | 3.2700e-003 | | 3.2700e-003 | 3.2700e-003 | | 51.6917 | 51.6917 | 9.9000e-004 | 9.5000e-004 | 51.9989 |
| Supermarket | 1.50737 | 0.0163 | 0.1478 | 0.1241 | 8.9000e-004 | | 0.0112 | 0.0112 | | 0.0112 | 0.0112 | | 177.3374 | 177.3374 | 3.4000e-003 | 3.2500e-003 | 178.3912 |
| **Total** | | **0.1026** | **0.9324** | **0.7832** | **5.6000e-003** | | **0.0709** | **0.0709** | | **0.0709** | **0.0709** | | **1,118.8834** | **1,118.8834** | **0.0215** | **0.0205** | **1,125.5324** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 4.3242 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |
| Unmitigated | 4.3242 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |

## 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 | 1.0129 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 3.3056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7200e-003 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |
| **Total** | **4.3243** | **5.6000e-004** | **0.0617** | **0.0000** | | **2.2000e-004** | **2.2000e-004** | | **2.2000e-004** | **2.2000e-004** | | **0.1323** | **0.1323** | **3.5000e-004** | | **0.1410** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 1.0129 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 3.3056 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7200e-003 | 5.6000e-004 | 0.0617 | 0.0000 | | 2.2000e-004 | 2.2000e-004 | | 2.2000e-004 | 2.2000e-004 | | 0.1323 | 0.1323 | 3.5000e-004 | | 0.1410 |
| **Total** | **4.3243** | **5.6000e-004** | **0.0617** | **0.0000** | | **2.2000e-004** | **2.2000e-004** | | **2.2000e-004** | **2.2000e-004** | | **0.1323** | **0.1323** | **3.5000e-004** | | **0.1410** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Emergency Generator | 1 | 0 | 1 | 469.358 | 0.73 | Diesel |

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 10.1 Stationary Sources

**Unmitigated/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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Emergency Generator - Diesel (300 - 600 HP) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | | **0.0000** |

## 11.0 Vegetation

# Montano - Operations - Mitigation

**El Dorado-Mountain County County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| General Office Building | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| General Office Building | 14.69 | 1000sqft | 0.34 | 14,694.00 | 0 |
| Other Asphalt Surfaces | 206.97 | 1000sqft | 4.75 | 206,970.00 | 0 |
| Other Non-Asphalt Surfaces | 89.29 | 1000sqft | 2.05 | 89,290.00 | 0 |
| Parking Lot | 102.89 | 1000sqft | 2.36 | 102,890.00 | 0 |
| Arena | 5.50 | 1000sqft | 1.77 | 5,500.00 | 0 |
| City Park | 2.90 | Acre | 2.90 | 126,324.00 | 0 |
| Fast Food Restaurant with Drive Thru | 3.67 | 1000sqft | 0.08 | 3,670.00 | 0 |
| High Turnover (Sit Down Restaurant) | 9.91 | 1000sqft | 0.23 | 9,907.00 | 0 |
| Hotel | 100.00 | Room | 0.25 | 45,040.00 | 0 |
| Quality Restaurant | 3.50 | 1000sqft | 0.08 | 3,500.00 | 0 |
| Regional Shopping Center | 31.78 | 1000sqft | 0.73 | 31,776.00 | 0 |
| Supermarket | 29.97 | 1000sqft | 0.69 | 29,970.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 70 |
| **Climate Zone** | 1 | | | **Operational Year** | 2023 |
| **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 - Adjusted hotel square footage based on 4-story building

Construction Phase - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Off-road Equipment - Operations phase

Grading - Adjusted total acres graded

Water And Wastewater - 100% aerobic
Building water use is 87 EDUs
Irrigation water use is 3 EDUs
1 EDU = 240 gal/day

Land Use Change -

Sequestration -

Mobile Land Use Mitigation -

Energy Mitigation - 30% improvement in 2016 Title 24 to meet 2019 Standards + Mitigation Measure: 10% improvement in energy use beyond 2019 standards = 43% improvement

Water Mitigation - Default % reductions used. Defaults are based on 2016 Title 24 Standards, therefore water use is conservative.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblLandUse | LandUseSquareFeet | 14,690.00 | 14,694.00 |
| tblLandUse | LandUseSquareFeet | 9,910.00 | 9,907.00 |
| tblLandUse | LandUseSquareFeet | 145,200.00 | 45,040.00 |
| tblLandUse | LandUseSquareFeet | 31,780.00 | 31,776.00 |

| | | | |
|---|---|---|---|
| tblLandUse | LotAcreage | 3.33 | 0.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblSequestration | NumberOfNewTrees | 0.00 | 507.00 |
| tblStationaryGeneratorsPumpsUse | HorsePowerValue | 0.00 | 469.36 |
| tblStationaryGeneratorsPumpsUse | HoursPerYear | 0.00 | 1.00 |
| tblStationaryGeneratorsPumpsUse | NumberOfEquipment | 0.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 15.00 |
| tblVehicleTrips | ST_TR | 10.71 | 3.76 |
| tblVehicleTrips | ST_TR | 22.75 | 7.98 |
| tblVehicleTrips | ST_TR | 722.03 | 253.17 |
| tblVehicleTrips | ST_TR | 2.46 | 0.86 |
| tblVehicleTrips | ST_TR | 158.37 | 55.53 |
| tblVehicleTrips | ST_TR | 8.19 | 2.87 |

| | | | |
|---|---|---|---|
| tblVehicleTrips | ST_TR | 94.36 | 33.09 |
| tblVehicleTrips | ST_TR | 49.97 | 17.52 |
| tblVehicleTrips | ST_TR | 177.59 | 62.27 |
| tblVehicleTrips | SU_TR | 10.71 | 4.65 |
| tblVehicleTrips | SU_TR | 16.74 | 7.26 |
| tblVehicleTrips | SU_TR | 542.72 | 235.42 |
| tblVehicleTrips | SU_TR | 1.05 | 0.46 |
| tblVehicleTrips | SU_TR | 131.84 | 57.19 |
| tblVehicleTrips | SU_TR | 5.95 | 2.58 |
| tblVehicleTrips | SU_TR | 72.16 | 31.30 |
| tblVehicleTrips | SU_TR | 25.24 | 10.95 |
| tblVehicleTrips | SU_TR | 166.44 | 72.20 |
| tblVehicleTrips | WD_TR | 10.71 | 5.25 |
| tblVehicleTrips | WD_TR | 1.89 | 0.93 |
| tblVehicleTrips | WD_TR | 496.12 | 243.35 |
| tblVehicleTrips | WD_TR | 11.03 | 5.41 |
| tblVehicleTrips | WD_TR | 127.15 | 62.37 |
| tblVehicleTrips | WD_TR | 8.17 | 4.01 |
| tblVehicleTrips | WD_TR | 89.95 | 44.12 |
| tblVehicleTrips | WD_TR | 42.70 | 20.95 |
| tblVehicleTrips | WD_TR | 102.24 | 50.15 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |

| | | | |
|---|---|---|---|
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AerobicPercent | 87.46 | 100.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,369,235.65 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,113,968.72 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,232,976.88 | 0.00 |
| tblWater | IndoorWaterUseRate | 3,008,019.09 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,536,677.00 | 0.00 |
| tblWater | IndoorWaterUseRate | 1,062,367.99 | 0.00 |
| tblWater | IndoorWaterUseRate | 2,354,024.73 | 7,621,200.00 |
| tblWater | IndoorWaterUseRate | 3,694,348.40 | 0.00 |
| tblWater | OutdoorWaterUseRate | 151,227.81 | 0.00 |
| tblWater | OutdoorWaterUseRate | 3,455,295.91 | 262,800.00 |
| tblWater | OutdoorWaterUseRate | 71,104.39 | 0.00 |
| tblWater | OutdoorWaterUseRate | 1,981,501.96 | 0.00 |
| tblWater | OutdoorWaterUseRate | 192,001.22 | 0.00 |
| tblWater | OutdoorWaterUseRate | 281,853.00 | 0.00 |
| tblWater | OutdoorWaterUseRate | 67,810.72 | 0.00 |

| | | | |
|---|---|---|---|
| tblWater | OutdoorWaterUseRate | 1,442,789.35 | 0.00 |
| tblWater | OutdoorWaterUseRate | 114,258.20 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |
| tblWater | SepticTankPercent | 10.33 | 0.00 |

## 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 | | | | | |
| 2020 | 0.2150 | 1.7191 | 1.6057 | 5.9500e-003 | 0.3364 | 0.0113 | 0.3477 | 0.0914 | 0.0107 | 0.1021 | 0.0000 | 551.8213 | 551.8213 | 0.0139 | 0.0000 | 552.1691 |
| 2021 | 1.9181 | 0.4600 | 0.4440 | 1.7600e-003 | 0.1034 | 1.9100e-003 | 0.1053 | 0.0281 | 1.8000e-003 | 0.0299 | 0.0000 | 162.9957 | 162.9957 | 3.7200e-003 | 0.0000 | 163.0888 |
| **Maximum** | **1.9181** | **1.7191** | **1.6057** | **5.9500e-003** | **0.3364** | **0.0113** | **0.3477** | **0.0914** | **0.0107** | **0.1021** | **0.0000** | **551.8213** | **551.8213** | **0.0139** | **0.0000** | **552.1691** |

### 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 | | | | | |
| 2020 | 0.2150 | 1.7191 | 1.6057 | 5.9500e-003 | 0.3364 | 0.0113 | 0.3477 | 0.0914 | 0.0107 | 0.1021 | 0.0000 | 551.8213 | 551.8213 | 0.0139 | 0.0000 | 552.1691 |
| 2021 | 1.9181 | 0.4600 | 0.4440 | 1.7600e-003 | 0.1034 | 1.9100e-003 | 0.1053 | 0.0281 | 1.8000e-003 | 0.0299 | 0.0000 | 162.9957 | 162.9957 | 3.7200e-003 | 0.0000 | 163.0888 |
| **Maximum** | **1.9181** | **1.7191** | **1.6057** | **5.9500e-003** | **0.3364** | **0.0113** | **0.3477** | **0.0914** | **0.0107** | **0.1021** | **0.0000** | **551.8213** | **551.8213** | **0.0139** | **0.0000** | **552.1691** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **1-1-2020** | **3-31-2020** | 0.2980 | 0.2980 |
| **2** | **4-1-2020** | **6-30-2020** | 0.5313 | 0.5313 |
| **3** | **7-1-2020** | **9-30-2020** | 0.5371 | 0.5371 |
| **4** | **10-1-2020** | **12-31-2020** | 0.5546 | 0.5546 |
| **5** | **1-1-2021** | **3-31-2021** | 0.4934 | 0.4934 |
| **6** | **4-1-2021** | **6-30-2021** | 1.8951 | 1.8951 |
| | | **Highest** | 1.8951 | 1.8951 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Energy | 0.0232 | 0.2105 | 0.1768 | 1.2600e-003 | | 0.0160 | 0.0160 | | 0.0160 | 0.0160 | 0.0000 | 947.7150 | 947.7150 | 0.0369 | 0.0109 | 951.8923 |
| Mobile | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |
| Stationary | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.8816 | 0.0000 | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.6964 | 12.2643 | 14.9607 | 9.8400e-003 | 5.9800e-003 | 16.9882 |
| **Total** | **1.8785** | **2.9588** | **9.5882** | **0.0243** | **2.0599** | **0.0396** | **2.0995** | **0.5522** | **0.0380** | **0.5903** | **91.5780** | **3,058.1592** | **3,149.7372** | **5.3742** | **0.0169** | **3,289.1291** |

## 2.2 Overall Operational

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Energy | 0.0168 | 0.1527 | 0.1283 | 9.2000e-004 | | 0.0116 | 0.0116 | | 0.0116 | 0.0116 | 0.0000 | 166.2172 | 166.2172 | 3.1900e-003 | 3.0500e-003 | 167.2050 |
| Mobile | 1.0239 | 2.4615 | 8.3377 | 0.0189 | 1.6576 | 0.0198 | 1.6774 | 0.4444 | 0.0185 | 0.4629 | 0.0000 | 1,719.0820 | 1,719.0820 | 0.0648 | 0.0000 | 1,720.7008 |
| Stationary | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.8816 | 0.0000 | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.1571 | 9.8486 | 12.0057 | 7.8700e-003 | 4.7800e-003 | 13.6279 |
| **Total** | **1.8297** | **2.6153** | **8.4725** | **0.0198** | **1.6576** | **0.0315** | **1.6891** | **0.4444** | **0.0302** | **0.4746** | **91.0387** | **1,895.3372** | **1,986.3759** | **5.3286** | **7.8300e-003** | **2,121.9248** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **2.60** | **11.61** | **11.64** | **18.50** | **19.53** | **20.43** | **19.55** | **19.53** | **20.66** | **19.60** | **0.59** | **38.02** | **36.94** | **0.85** | **53.67** | **35.49** |

## 2.3 Vegetation

**Vegetation**

| | CO2e |
|---|---|
| Category | MT |
| New Trees | 358.9560 |
| **Total** | **358.9560** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Grading | Grading | 1/1/2020 | 2/11/2020 | 5 | 30 | |
| 2 | Building Construction | Building Construction | 2/12/2020 | 4/6/2021 | 5 | 300 | |
| 3 | Paving | Paving | 4/7/2021 | 5/4/2021 | 5 | 20 | |
| 4 | Architectural Coating | Architectural Coating | 5/5/2021 | 6/1/2021 | 5 | 20 | |

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

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

**Acres of Paving: 9.16**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,336; Non-Residential Outdoor: 73,779; Striped Parking Area: 23,949 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Grading | Excavators | 0 | 8.00 | 158 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 0 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Grading | 0 | 20.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 0 | 275.00 | 110.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 0 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 55.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Grading - 2020

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.4900e-003 | 9.2000e-004 | 9.9000e-003 | 2.0000e-005 | 2.3600e-003 | 2.0000e-005 | 2.3800e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.1147 | 2.1147 | 7.0000e-005 | 0.0000 | 2.1164 |
| **Total** | **1.4900e-003** | **9.2000e-004** | **9.9000e-003** | **2.0000e-005** | **2.3600e-003** | **2.0000e-005** | **2.3800e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.1147** | **2.1147** | **7.0000e-005** | **0.0000** | **2.1164** |

## 3.2 Grading - 2020

### 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 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 1.4900e-003 | 9.2000e-004 | 9.9000e-003 | 2.0000e-005 | 2.3600e-003 | 2.0000e-005 | 2.3800e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.1147 | 2.1147 | 7.0000e-005 | 0.0000 | 2.1164 |
| **Total** | **1.4900e-003** | **9.2000e-004** | **9.9000e-003** | **2.0000e-005** | **2.3600e-003** | **2.0000e-005** | **2.3800e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.1147** | **2.1147** | **7.0000e-005** | **0.0000** | **2.1164** |

## 3.3 Building Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0547 | 1.6198 | 0.5431 | 3.4300e-003 | 0.0829 | 9.2700e-003 | 0.0922 | 0.0240 | 8.8700e-003 | 0.0328 | 0.0000 | 324.8476 | 324.8476 | 6.6700e-003 | 0.0000 | 325.0144 |
| Worker | 0.1588 | 0.0984 | 1.0527 | 2.4900e-003 | 0.2511 | 1.9900e-003 | 0.2531 | 0.0668 | 1.8300e-003 | 0.0687 | 0.0000 | 224.8591 | 224.8591 | 7.1700e-003 | 0.0000 | 225.0384 |
| **Total** | **0.2135** | **1.7181** | **1.5958** | **5.9200e-003** | **0.3340** | **0.0113** | **0.3453** | **0.0908** | **0.0107** | **0.1015** | **0.0000** | **549.7067** | **549.7067** | **0.0138** | **0.0000** | **550.0528** |

## 3.3 Building Construction - 2020

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0547 | 1.6198 | 0.5431 | 3.4300e-003 | 0.0829 | 9.2700e-003 | 0.0922 | 0.0240 | 8.8700e-003 | 0.0328 | 0.0000 | 324.8476 | 324.8476 | 6.6700e-003 | 0.0000 | 325.0144 |
| Worker | 0.1588 | 0.0984 | 1.0527 | 2.4900e-003 | 0.2511 | 1.9900e-003 | 0.2531 | 0.0668 | 1.8300e-003 | 0.0687 | 0.0000 | 224.8591 | 224.8591 | 7.1700e-003 | 0.0000 | 225.0384 |
| **Total** | **0.2135** | **1.7181** | **1.5958** | **5.9200e-003** | **0.3340** | **0.0113** | **0.3453** | **0.0908** | **0.0107** | **0.1015** | **0.0000** | **549.7067** | **549.7067** | **0.0138** | **0.0000** | **550.0528** |

## 3.3 Building Construction - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0131 | 0.4322 | 0.1421 | 1.0000e-003 | 0.0243 | 1.3000e-003 | 0.0256 | 7.0200e-003 | 1.2500e-003 | 8.2700e-003 | 0.0000 | 94.5584 | 94.5584 | 1.7000e-003 | 0.0000 | 94.6010 |
| Worker | 0.0438 | 0.0259 | 0.2809 | 7.1000e-004 | 0.0736 | 5.6000e-004 | 0.0742 | 0.0196 | 5.2000e-004 | 0.0201 | 0.0000 | 63.6705 | 63.6705 | 1.8800e-003 | 0.0000 | 63.7175 |
| **Total** | **0.0569** | **0.4581** | **0.4230** | **1.7100e-003** | **0.0979** | **1.8600e-003** | **0.0998** | **0.0266** | **1.7700e-003** | **0.0284** | **0.0000** | **158.2289** | **158.2289** | **3.5800e-003** | **0.0000** | **158.3185** |

## 3.3 Building Construction - 2021

**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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 0.0131 | 0.4322 | 0.1421 | 1.0000e-003 | 0.0243 | 1.3000e-003 | 0.0256 | 7.0200e-003 | 1.2500e-003 | 8.2700e-003 | 0.0000 | 94.5584 | 94.5584 | 1.7000e-003 | 0.0000 | 94.6010 |
| Worker | 0.0438 | 0.0259 | 0.2809 | 7.1000e-004 | 0.0736 | 5.6000e-004 | 0.0742 | 0.0196 | 5.2000e-004 | 0.0201 | 0.0000 | 63.6705 | 63.6705 | 1.8800e-003 | 0.0000 | 63.7175 |
| **Total** | **0.0569** | **0.4581** | **0.4230** | **1.7100e-003** | **0.0979** | **1.8600e-003** | **0.0998** | **0.0266** | **1.7700e-003** | **0.0284** | **0.0000** | **158.2289** | **158.2289** | **3.5800e-003** | **0.0000** | **158.3185** |

## 3.4 Paving - 2021

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **9.3100e-003** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

## 3.4 Paving - 2021

### 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Paving | 9.3100e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **9.3100e-003** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| **Total** | **7.0000e-004** | **4.2000e-004** | **4.5100e-003** | **1.0000e-005** | **1.1800e-003** | **1.0000e-005** | **1.1900e-003** | **3.1000e-004** | **1.0000e-005** | **3.2000e-004** | **0.0000** | **1.0215** | **1.0215** | **3.0000e-005** | **0.0000** | **1.0222** |

## 3.5 Architectural Coating - 2021

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.8486 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **1.8486** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 2.5800e-003 | 1.5200e-003 | 0.0165 | 4.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.7453 | 3.7453 | 1.1000e-004 | 0.0000 | 3.7481 |
| **Total** | **2.5800e-003** | **1.5200e-003** | **0.0165** | **4.0000e-005** | **4.3300e-003** | **3.0000e-005** | **4.3600e-003** | **1.1500e-003** | **3.0000e-005** | **1.1800e-003** | **0.0000** | **3.7453** | **3.7453** | **1.1000e-004** | **0.0000** | **3.7481** |

## 3.5 Architectural Coating - 2021

**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 | 1.8486 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **1.8486** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**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 | 2.5800e-003 | 1.5200e-003 | 0.0165 | 4.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.7453 | 3.7453 | 1.1000e-004 | 0.0000 | 3.7481 |
| **Total** | **2.5800e-003** | **1.5200e-003** | **0.0165** | **4.0000e-005** | **4.3300e-003** | **3.0000e-005** | **4.3600e-003** | **1.1500e-003** | **3.0000e-005** | **1.1800e-003** | **0.0000** | **3.7453** | **3.7453** | **1.1000e-004** | **0.0000** | **3.7481** |

## 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | 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 | 1.0239 | 2.4615 | 8.3377 | 0.0189 | 1.6576 | 0.0198 | 1.6774 | 0.4444 | 0.0185 | 0.4629 | 0.0000 | 1,719.0820 | 1,719.0820 | 0.0648 | 0.0000 | 1,720.7008 |
| Unmitigated | 1.0663 | 2.7472 | 9.4049 | 0.0231 | 2.0599 | 0.0235 | 2.0834 | 0.5522 | 0.0220 | 0.5742 | 0.0000 | 2,097.9905 | 2,097.9905 | 0.0747 | 0.0000 | 2,099.8575 |

## 4.2 Trip Summary Information

Montano - Operations - Mitigation - El Dorado-Mountain County County, Annual

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Arena | 28.88 | 20.68 | 25.58 | 52,885 | 42,556 |
| City Park | 2.70 | 23.14 | 21.05 | 17,591 | 14,156 |
| Fast Food Restaurant with Drive Thru | 893.09 | 929.13 | 863.99 | 835,366 | 672,209 |
| General Office Building | 18.94 | 3.01 | 1.61 | 33,899 | 27,278 |
| General Office Building | 79.47 | 12.63 | 6.76 | 142,277 | 114,489 |
| High Turnover (Sit Down Restaurant) | 618.09 | 550.30 | 566.75 | 697,400 | 561,189 |
| Hotel | 401.00 | 287.00 | 258.00 | 692,118 | 556,939 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Quality Restaurant | 154.42 | 115.82 | 109.55 | 169,023 | 136,011 |
| Regional Shopping Center | 665.79 | 556.79 | 347.99 | 1,060,432 | 853,316 |
| Supermarket | 1,503.00 | 1,866.23 | 2163.83 | 1,875,976 | 1,509,575 |
| Total | 4,365.37 | 4,364.73 | 4,365.12 | 5,576,967 | 4,487,717 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Arena | 9.50 | 7.30 | 7.30 | 0.00 | 81.00 | 19.00 | 66 | 28 | 6 |
| City Park | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Fast Food Restaurant with Drive | 9.50 | 7.30 | 7.30 | 2.20 | 78.80 | 19.00 | 29 | 21 | 50 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| High Turnover (Sit Down | 9.50 | 7.30 | 7.30 | 8.50 | 72.50 | 19.00 | 37 | 20 | 43 |
| Hotel | 9.50 | 7.30 | 7.30 | 19.40 | 61.60 | 19.00 | 58 | 38 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Quality Restaurant | 9.50 | 7.30 | 7.30 | 12.00 | 69.00 | 19.00 | 38 | 18 | 44 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Supermarket | 9.50 | 7.30 | 7.30 | 6.50 | 74.50 | 19.00 | 34 | 30 | 36 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arena | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| City Park | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Fast Food Restaurant with Drive Thru | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| General Office Building | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| High Turnover (Sit Down Restaurant) | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Hotel | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Other Non-Asphalt Surfaces | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Parking Lot | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Quality Restaurant | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Regional Shopping Center | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |
| Supermarket | 0.536606 | 0.037513 | 0.225040 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.001620 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Montano - Operations - Mitigation - El Dorado-Mountain County County, Annual

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 718.5641 | 718.5641 | 0.0325 | 6.7200e-003 | 721.3796 |
| NaturalGas Mitigated | 0.0168 | 0.1527 | 0.1283 | 9.2000e-004 | | 0.0116 | 0.0116 | | 0.0116 | 0.0116 | 0.0000 | 166.2172 | 166.2172 | 3.1900e-003 | 3.0500e-003 | 167.2050 |
| NaturalGas Unmitigated | 0.0232 | 0.2105 | 0.1768 | 1.2600e-003 | | 0.0160 | 0.0160 | | 0.0160 | 0.0160 | 0.0000 | 229.1510 | 229.1510 | 4.3900e-003 | 4.2000e-003 | 230.5127 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 19305 | 1.0000e-004 | 9.5000e-004 | 7.9000e-004 | 1.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | 0.0000 | 1.0302 | 1.0302 | 2.0000e-005 | 2.0000e-005 | 1.0363 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 426454 | 2.3000e-003 | 0.0209 | 0.0176 | 1.3000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.5900e-003 | 1.5900e-003 | 0.0000 | 22.7572 | 22.7572 | 4.4000e-004 | 4.2000e-004 | 22.8924 |
| General Office Building | 287121 | 1.5500e-003 | 0.0141 | 0.0118 | 8.0000e-005 | | 1.0700e-003 | 1.0700e-003 | | 1.0700e-003 | 1.0700e-003 | 0.0000 | 15.3219 | 15.3219 | 2.9000e-004 | 2.8000e-004 | 15.4129 |
| General Office Building | 68390 | 3.7000e-004 | 3.3500e-003 | 2.8200e-003 | 2.0000e-005 | | 2.5000e-004 | 2.5000e-004 | | 2.5000e-004 | 2.5000e-004 | 0.0000 | 3.6496 | 3.6496 | 7.0000e-005 | 7.0000e-005 | 3.6712 |
| High Turnover (Sit Down Restaurant) | 1.15119e+006 | 6.2100e-003 | 0.0564 | 0.0474 | 3.4000e-004 | | 4.2900e-003 | 4.2900e-003 | | 4.2900e-003 | 4.2900e-003 | 0.0000 | 61.4321 | 61.4321 | 1.1800e-003 | 1.1300e-003 | 61.7971 |
| Hotel | 935030 | 5.0400e-003 | 0.0458 | 0.0385 | 2.8000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.8968 | 49.8968 | 9.6000e-004 | 9.1000e-004 | 50.1933 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 406700 | 2.1900e-003 | 0.0199 | 0.0168 | 1.2000e-004 | | 1.5200e-003 | 1.5200e-003 | | 1.5200e-003 | 1.5200e-003 | 0.0000 | 21.7031 | 21.7031 | 4.2000e-004 | 4.0000e-004 | 21.8320 |
| Regional Shopping Center | 229105 | 1.2400e-003 | 0.0112 | 9.4300e-003 | 7.0000e-005 | | 8.5000e-004 | 8.5000e-004 | | 8.5000e-004 | 8.5000e-004 | 0.0000 | 12.2259 | 12.2259 | 2.3000e-004 | 2.2000e-004 | 12.2986 |
| Supermarket | 770828 | 4.1600e-003 | 0.0378 | 0.0317 | 2.3000e-004 | | 2.8700e-003 | 2.8700e-003 | | 2.8700e-003 | 2.8700e-003 | 0.0000 | 41.1343 | 41.1343 | 7.9000e-004 | 7.5000e-004 | 41.3788 |
| **Total** | | **0.0232** | **0.2105** | **0.1768** | **1.2800e-003** | | **0.0160** | **0.0160** | | **0.0160** | **0.0160** | **0.0000** | **229.1510** | **229.1510** | **4.4000e-003** | **4.2000e-003** | **230.5127** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Arena | 11737 | 6.0000e-005 | 5.8000e-004 | 4.8000e-004 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | 0.0000 | 0.6263 | 0.6263 | 1.0000e-005 | 1.0000e-005 | 0.6301 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 382820 | 2.0600e-003 | 0.0188 | 0.0158 | 1.1000e-004 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 20.4287 | 20.4287 | 3.9000e-004 | 3.7000e-004 | 20.5501 |
| General Office Building | 163659 | 8.8000e-004 | 8.0200e-003 | 6.7400e-003 | 5.0000e-005 | | 6.1000e-004 | 6.1000e-004 | | 6.1000e-004 | 6.1000e-004 | 0.0000 | 8.7335 | 8.7335 | 1.7000e-004 | 1.6000e-004 | 8.7854 |
| General Office Building | 38982.3 | 2.1000e-004 | 1.9100e-003 | 1.6100e-003 | 1.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 2.0802 | 2.0802 | 4.0000e-005 | 4.0000e-005 | 2.0926 |
| High Turnover (Sit Down Restaurant) | 1.0334e+006 | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | 0.0000 | 55.1464 | 55.1464 | 1.0600e-003 | 1.0100e-003 | 55.4741 |
| Hotel | 533936 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4928 | 28.4928 | 5.5000e-004 | 5.2000e-004 | 28.6622 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 365087 | 1.9700e-003 | 0.0179 | 0.0150 | 1.1000e-004 | | 1.3600e-003 | 1.3600e-003 | | 1.3600e-003 | 1.3600e-003 | 0.0000 | 19.4824 | 19.4824 | 3.7000e-004 | 3.6000e-004 | 19.5982 |
| Regional Shopping Center | 130590 | 7.0000e-004 | 6.4000e-003 | 5.3800e-003 | 4.0000e-005 | | 4.9000e-004 | 4.9000e-004 | | 4.9000e-004 | 4.9000e-004 | 0.0000 | 6.9688 | 6.9688 | 1.3000e-004 | 1.3000e-004 | 7.0102 |
| Supermarket | 454579 | 2.4500e-003 | 0.0223 | 0.0187 | 1.3000e-004 | | 1.6900e-003 | 1.6900e-003 | | 1.6900e-003 | 1.6900e-003 | 0.0000 | 24.2581 | 24.2581 | 4.6000e-004 | 4.4000e-004 | 24.4022 |
| **Total** | | **0.0168** | **0.1527** | **0.1283** | **9.1000e-004** | | **0.0116** | **0.0116** | | **0.0116** | **0.0116** | **0.0000** | **166.2172** | **166.2172** | **3.1800e-003** | **3.0400e-003** | **167.2050** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 23540 | 6.8481 | 3.1000e-004 | 6.0000e-005 | 6.8749 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 90171.9 | 26.2320 | 1.1900e-003 | 2.5000e-004 | 26.3348 |
| General Office Building | 162516 | 47.2777 | 2.1400e-003 | 4.4000e-004 | 47.4629 |
| General Office Building | 38710 | 11.2612 | 5.1000e-004 | 1.1000e-004 | 11.3053 |
| High Turnover (Sit Down Restaurant) | 243415 | 70.8122 | 3.2000e-003 | 6.6000e-004 | 71.0897 |
| Hotel | 335998 | 97.7458 | 4.4200e-003 | 9.1000e-004 | 98.1288 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 36011.5 | 10.4762 | 4.7000e-004 | 1.0000e-004 | 10.5172 |
| Quality Restaurant | 85995 | 25.0169 | 1.1300e-003 | 2.3000e-004 | 25.1150 |
| Regional Shopping Center | 429612 | 124.9789 | 5.6500e-003 | 1.1700e-003 | 125.4686 |
| Supermarket | 1.02407e+006 | 297.9151 | 0.0135 | 2.7900e-003 | 299.0825 |
| **Total** | | **718.5641** | **0.0325** | **6.7200e-003** | **721.3796** |

## 5.3 Energy by Land Use - Electricity

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Arena | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Fast Food Restaurant with Drive Thru | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Supermarket | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| Unmitigated | 0.7887 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |

## 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 | 0.1849 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.6033 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.1000e-004 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| **Total** | **0.7886** | **5.0000e-005** | **5.5500e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **0.0108** | **0.0108** | **3.0000e-005** | **0.0000** | **0.0115** |

## 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1849 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.6033 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.1000e-004 | 5.0000e-005 | 5.5500e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0108 | 0.0108 | 3.0000e-005 | 0.0000 | 0.0115 |
| **Total** | **0.7886** | **5.0000e-005** | **5.5500e-003** | **0.0000** | | **2.0000e-005** | **2.0000e-005** | | **2.0000e-005** | **2.0000e-005** | **0.0000** | **0.0108** | **0.0108** | **3.0000e-005** | **0.0000** | **0.0115** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Montano - Operations - Mitigation - El Dorado-Mountain County County, Annual

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 12.0057 | 7.8700e-003 | 4.7800e-003 | 13.6279 |
| Unmitigated | 14.9607 | 9.8400e-003 | 5.9800e-003 | 16.9882 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| City Park | 0 / 0.2628 | 0.2676 | 1.0000e-005 | 0.0000 | 0.2686 |
| Fast Food Restaurant with Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 7.6212 / 0 | 14.6931 | 9.8200e-003 | 5.9800e-003 | 16.7195 |
| Supermarket | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **14.9607** | **9.8300e-003** | **5.9800e-003** | **16.9882** |

## 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Arena | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| City Park | 0 / 0.246769 | 0.2513 | 1.0000e-005 | 0.0000 | 0.2522 |
| Fast Food Restaurant with Drive Thru | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| High Turnover (Sit Down Restaurant) | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotel | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 6.09696 / 0 | 11.7545 | 7.8600e-003 | 4.7800e-003 | 13.3756 |
| Supermarket | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **12.0057** | **7.8700e-003** | **4.7800e-003** | **13.6279** |

## 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 88.8816 | 5.2528 | 0.0000 | 220.2005 |
| Unmitigated | 88.8816 | 5.2528 | 0.0000 | 220.2005 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| City Park | 0.25 | 0.0508 | 3.0000e-003 | 0.0000 | 0.1257 |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 16.92 | 3.4346 | 0.2030 | 0.0000 | 8.5091 |
| High Turnover (Sit Down Restaurant) | 117.93 | 23.9387 | 1.4147 | 0.0000 | 59.3072 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 33.37 | 6.7738 | 0.4003 | 0.0000 | 16.7818 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **88.8816** | **5.2528** | **0.0000** | **220.2005** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| City Park | 0.25 | 0.0508 | 3.0000e-003 | 0.0000 | 0.1257 |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 16.92 | 3.4346 | 0.2030 | 0.0000 | 8.5091 |
| High Turnover (Sit Down Restaurant) | 117.93 | 23.9387 | 1.4147 | 0.0000 | 59.3072 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 33.37 | 6.7738 | 0.4003 | 0.0000 | 16.7818 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **88.8816** | **5.2528** | **0.0000** | **220.2005** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Emergency Generator | 1 | 0 | 1 | 469.358 | 0.73 | Diesel |

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

### User Defined Equipment

| Equipment Type | Number |
|---|---|

## 10.1 Stationary Sources

### Unmitigated/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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (300 - 600 HP) | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| **Total** | **3.8000e-004** | **1.0800e-003** | **9.8000e-004** | **0.0000** | | **6.0000e-005** | **6.0000e-005** | | **6.0000e-005** | **6.0000e-005** | **0.0000** | **0.1786** | **0.1786** | **3.0000e-005** | **0.0000** | **0.1792** |

## 11.0 Vegetation

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT | | | |
| Unmitigated | 358.9560 | 0.0000 | 0.0000 | 358.9560 |

## 11.2 Net New Trees

**Species Class**

| | Number of Trees | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| | | MT | | | |
| Miscellaneous | 507 | 358.9560 | 0.0000 | 0.0000 | 358.9560 |
| **Total** | | **358.9560** | **0.0000** | **0.0000** | **358.9560** |

## 8.2 Waste by Land Use

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Arena | 0.15 | 0.0305 | 1.8000e-003 | 0.0000 | 0.0754 |
| City Park | 0.25 | 0.0508 | 3.0000e-003 | 0.0000 | 0.1257 |
| Fast Food Restaurant with Drive Thru | 42.27 | 8.5804 | 0.5071 | 0.0000 | 21.2577 |
| General Office Building | 16.92 | 3.4346 | 0.2030 | 0.0000 | 8.5091 |
| High Turnover (Sit Down Restaurant) | 117.93 | 23.9387 | 1.4147 | 0.0000 | 59.3072 |
| Hotel | 54.75 | 11.1138 | 0.6568 | 0.0000 | 27.5339 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Quality Restaurant | 3.19 | 0.6475 | 0.0383 | 0.0000 | 1.6043 |
| Regional Shopping Center | 33.37 | 6.7738 | 0.4003 | 0.0000 | 16.7818 |
| Supermarket | 169.03 | 34.3116 | 2.0278 | 0.0000 | 85.0054 |
| **Total** | | **88.8816** | **5.2528** | **0.0000** | **220.2005** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Emergency Generator | 1 | 0 | 1 | 469.358 | 0.73 | Diesel |

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

### User Defined Equipment

| Equipment Type | Number |
|---|---|

## 10.1 Stationary Sources

### Unmitigated/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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (300 - 600 HP) | 3.8000e-004 | 1.0800e-003 | 9.8000e-004 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | 0.0000 | 0.1786 | 0.1786 | 3.0000e-005 | 0.0000 | 0.1792 |
| **Total** | **3.8000e-004** | **1.0800e-003** | **9.8000e-004** | **0.0000** | | **6.0000e-005** | **6.0000e-005** | | **6.0000e-005** | **6.0000e-005** | **0.0000** | **0.1786** | **0.1786** | **3.0000e-005** | **0.0000** | **0.1792** |

## 11.0 Vegetation

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT | | | |
| Unmitigated | 358.9560 | 0.0000 | 0.0000 | 358.9560 |

## 11.2 Net New Trees

**Species Class**

| | Number of Trees | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| | | MT | | | |
| Miscellaneous | 507 | 358.9560 | 0.0000 | 0.0000 | 358.9560 |
| **Total** | | **358.9560** | **0.0000** | **0.0000** | **358.9560** |

# RCEM Outputs

**Road Construction Emissions Model** **Version 9.0.0**

**Data Entry Worksheet**

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

## Input Type

| | | |
|---|---|---|
| Project Name | Montano Phase II | |
| Construction Start Year | 2020 | Enter a Year between 2014 and 2040 (inclusive) |
| Project Type<br>For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data | 4 | 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway<br>2) Road Widening : Project to add a new lane to an existing roadway<br>3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane<br>4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction |
| Project Construction Time | 3.00 | months |
| Working Days per Month | 27.00 | days (assume 22 if unknown) |
| Predominant Soil/Site Type: Enter 1, 2, or 3<br>(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 2 | 1) Sand Gravel : Use for quaternary deposits (Delta/West County)<br>2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta)<br>3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta) |
| Project Length | 0.50 | miles |
| Total Project Area | 0.30 | acres |
| Maximum Area Disturbed/Day | 0.30 | acres |
| Water Trucks Used? | 2 | 1. Yes<br>2. No |

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

## Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity ($yd^3$) (assume 20 if unknown) | Import Volume ($yd^3$/day) | Export Volume ($yd^3$/day) |
|---|---|---|---|---|
| Soil | Grubbing/Land Clearing | 20.00 | | |
| | Grading/Excavation | 20.00 | | 46.68 |
| | Drainage/Utilities/Sub-Grade | 20.00 | | 35.19 |
| | Paving | 20.00 | | |
| Asphalt | Grubbing/Land Clearing | 20.00 | | |
| | Grading/Excavation | 20.00 | | |
| | Drainage/Utilities/Sub-Grade | 20.00 | | |
| | Paving | 20.00 | 140.03 | |

## Mitigation Options

| | | |
|---|---|---|
| On-road Fleet Emissions Mitigation | No Mitigation | Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer |
| Off-road Equipment Emissions Mitigation | No Mitigation | Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation).<br>Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard |

**The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.**

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|---|---|---|---|---|
| Grubbing/Land Clearing | | 0.30 | | 1/1/2020 |
| Grading/Excavation | | 1.35 | | 1/11/2020 |
| Drainage/Utilities/Sub-Grade | | 0.90 | | 2/22/2020 |
| Paving | | 0.45 | | 3/21/2020 |
| **Totals (Months)** | 3 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| **Soil Hauling Emissions** | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT |
|---|---|---|---|---|---|
| **User Input** | | | | | |
| Miles/round trip: Grubbing/Land Clearing | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Grading/Excavation | 40.00 | | | 3 | 120.00 |
| Miles/round trip: Drainage/Utilities/Sub-Grade | 40.00 | | | 2 | 80.00 |
| Miles/round trip: Paving | 40.00 | | | 0 | 0.00 |

| **Emission Rates** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Hauling Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.14 | 0.34 | 2.02 | 0.06 | 0.05 | 0.00 | 500.55 | 0.01 | 0.08 | 524.16 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 9.55 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.09 | 0.23 | 1.35 | 0.04 | 0.03 | 0.00 | 333.70 | 0.00 | 0.05 | 349.44 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 4.05 | 0.00 | 0.00 | 4.25 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 13.18 | 0.00 | 0.00 | 13.80 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| **Asphalt Hauling Emissions** | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT |
|---|---|---|---|---|---|
| **User Input** | | | | | |
| Miles/round trip: Grubbing/Land Clearing | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Grading/Excavation | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Drainage/Utilities/Sub-Grade | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Paving | 40.00 | | | 8 | 320.00 |

| **Emission Rates** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.37 | 0.92 | 5.39 | 0.17 | 0.12 | 0.01 | 1,334.80 | 0.02 | 0.21 | 1,397.76 |
| Tons per const. Period - Paving | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 8.11 | 0.00 | 0.00 | 8.49 |
| Total tons per construction project | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 8.11 | 0.00 | 0.00 | 8.49 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions<br>User Input | User Override of Worker Commute Default Values | Default Values | Calculated Daily Trips | Calculated Daily VMT |
|---|---|---|---|---|
| Miles/ one-way trip | 11 | | | |
| One-way trips/day | 2 | | | |
| No. of employees: Grubbing/Land Clearing | 0 | | 0 | 0.00 |
| No. of employees: Grading/Excavation | 5 | | 10 | 110.00 |
| No. of employees: Drainage/Utilities/Sub-Grade | 5 | | 10 | 110.00 |
| No. of employees: Paving | 5 | | 10 | 110.00 |

| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Grading/Excavation (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Paving (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Grubbing/Land Clearing (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Grading/Excavation (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Paving (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 1.60 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 1.07 |
| Pounds per day - Paving | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.53 |
| Total tons per construction project | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 3.20 |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions<br>User Input | User Override of Default # Water Trucks | Program Estimate of Number of Water Trucks | User Override of Truck Round Trips/Vehicle/Day | Default Values Round Trips/Vehicle/Day | Calculated Trips/day | User Override of Miles/Round Trip | Default Values Miles/Round Trip | Calculated Daily VMT |
|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing - Exhaust | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Grading/Excavation - Exhaust | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Drainage/Utilities/Subgrade | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Paving | 0 | | 0.00 | | | 0.00 | | 0.00 |

| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | User Override of Max Acreage Disturbed/Day | Default Maximum Acreage/Day | PM10 pounds/day | PM10 tons/per period | PM2.5 pounds/day | PM2.5 tons/per period |
|---|---|---|---|---|---|---|
| Fugitive Dust - Grubbing/Land Clearing | 0.30 | | 6.00 | 0.02 | 1.25 | 0.01 |
| Fugitive Dust - Grading/Excavation | 0.30 | | 6.00 | 0.11 | 1.25 | 0.02 |
| Fugitive Dust - Drainage/Utilities/Subgrade | 0.30 | | 6.00 | 0.07 | 1.25 | 0.02 |

Values in cells D195 through D228, D246 through D279, D297 through D330, and D348 through D381 are required when 'Other Project Type' is selected.

**Off-Road Equipment Emissions**

| **Grubbing/Land Clearing** | Default Number of Vehicles | Mitigation Option Override of Default | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| **User-Defined Off-road Equipment** | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | pounds per day | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | | tons per phase | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Grading/Excavation | Default Number of Vehicles | Mitigation Option Override of | Default | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Concrete/Industrial Saws | 0.42 | 3.69 | 3.30 | 0.20 | 0.20 | 0.01 | 592.67 | 0.04 | 0.00 | 594.93 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Excavators | 0.25 | 3.27 | 2.41 | 0.12 | 0.11 | 0.01 | 500.12 | 0.16 | 0.00 | 505.51 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Grading/Excavation | pounds per day | 0.78 | 7.56 | 6.43 | 0.34 | 0.33 | 0.01 | 1,191.41 | 0.21 | 0.01 | 1,199.57 |
| | Grading/Excavation | tons per phase | 0.01 | 0.14 | 0.12 | 0.01 | 0.01 | 0.00 | 21.71 | 0.00 | 0.00 | 21.86 |

| Drainage/Utilities/Subgrade | Default Number of Vehicles | Mitigation Option Override of | Default | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Trenchers | 0.42 | 2.64 | 3.80 | 0.28 | 0.26 | 0.00 | 326.81 | 0.11 | 0.00 | 330.33 |
| 1.00 | | | Model Default Tier | Welders | 0.34 | 1.77 | 1.57 | 0.09 | 0.09 | 0.00 | 207.48 | 0.03 | 0.00 | 208.76 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Drainage/Utilities/Sub-Grade | pounds per day | 0.88 | 5.01 | 6.09 | 0.40 | 0.38 | 0.01 | 632.92 | 0.15 | 0.01 | 638.22 |
| | Drainage/Utilities/Sub-Grade | tons per phase | 0.01 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 7.69 | 0.00 | 0.00 | 7.75 |

| Paving | Default Number of Vehicles | Mitigation Option Override of | Default | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | | Model Default Tier | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Cement and Mortar Mixers | 0.06 | 0.31 | 0.37 | 0.01 | 0.01 | 0.00 | 50.52 | 0.01 | 0.00 | 50.77 |
| | | | Model Default Tier | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Pavers | 0.26 | 2.90 | 2.81 | 0.14 | 0.13 | 0.00 | 455.27 | 0.15 | 0.00 | 460.18 |
| | | | Model Default Tier | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 | 0.00 | 0.00 | 34.65 |
| | | | Model Default Tier | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Rollers | 0.21 | 1.89 | 2.08 | 0.13 | 0.12 | 0.00 | 254.07 | 0.08 | 0.00 | 256.80 |
| | | | Model Default Tier | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | | Model Default Tier | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | | Model Default Tier | Surfacing Equipment | 0.20 | 1.70 | 2.56 | 0.09 | 0.09 | 0.01 | 656.31 | 0.21 | 0.01 | 663.38 |
| | | | Model Default Tier | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | Model Default Tier | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Paving | pounds per day | 0.89 | 7.61 | 8.79 | 0.41 | 0.39 | 0.02 | 1,549.27 | 0.46 | 0.01 | 1,564.92 |
| | Paving | tons per phase | 0.01 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 9.41 | 0.00 | 0.00 | 9.51 |
| **Total Emissions all Phases (tons per construction period) =>** | | | 0.03 | 0.24 | 0.24 | 0.01 | 0.01 | 0.00 | 38.82 | 0.01 | 0.00 | 39.12 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|---|---|---|---|---|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

**END OF DATA ENTRY SHEET**

## Road Construction Emissions Model, Version 9.0.0

**Daily Emission Estimates for ->** Montano Phase II

| Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grubbing/Land Clearing** | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 6.00 | 1.25 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Grading/Excavation** | 0.95 | 8.26 | 8.49 | 6.42 | 0.42 | 6.00 | 1.63 | 0.38 | 1.25 | 0.02 | 1,778.71 | 0.22 | 0.09 | 1,811.45 |
| **Drainage/Utilities/Sub-Grade** | 1.00 | 5.60 | 7.47 | 6.45 | 0.45 | 6.00 | 1.66 | 0.41 | 1.25 | 0.01 | 1,053.37 | 0.15 | 0.06 | 1,075.38 |
| **Paving** | 1.29 | 8.89 | 14.21 | 0.59 | 0.59 | 0.00 | 0.51 | 0.51 | 0.00 | 0.03 | 2,970.82 | 0.48 | 0.23 | 3,050.40 |
| **Maximum (pounds/day)** | 1.29 | 8.89 | 14.21 | 6.45 | 0.59 | 6.00 | 1.66 | 0.51 | 1.25 | 0.03 | 2,970.82 | 0.48 | 0.23 | 3,050.40 |
| **Total (tons/construction project)** | 0.04 | 0.27 | 0.33 | 0.22 | 0.02 | 0.21 | 0.06 | 0.02 | 0.04 | 0.00 | 63.26 | 0.01 | 0.00 | 64.61 |

Notes:

| | |
|---|---|
| Project Start Year -> | 2020 |
| Project Length (months) -> | 3 |
| Total Project Area (acres) -> | 0 |
| Maximum Area Disturbed/Day (acres) -> | 0 |
| Water Truck Used? -> | No |

| | Total Material Imported/Exported Volume ($yd^3$/day) | | Daily VMT (miles/day) | | | |
|---|---|---|---|---|---|---|
| Phase | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 0 | 0 |
| Grading/Excavation | 47 | 0 | 120 | 0 | 110 | 0 |
| Drainage/Utilities/Sub-Grade | 35 | 0 | 80 | 0 | 110 | 0 |
| Paving | 0 | 140 | 0 | 320 | 110 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

**Total Emission Estimates by Phase for ->** Montano Phase II

| Project Phases (Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grubbing/Land Clearing** | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Grading/Excavation** | 0.02 | 0.15 | 0.15 | 0.12 | 0.01 | 0.11 | 0.03 | 0.01 | 0.02 | 0.00 | 32.42 | 0.00 | 0.00 | 29.95 |
| **Drainage/Utilities/Sub-Grade** | 0.01 | 0.07 | 0.09 | 0.08 | 0.01 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 12.80 | 0.00 | 0.00 | 11.85 |
| **Paving** | 0.01 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.05 | 0.00 | 0.00 | 16.81 |
| **Maximum (tons/phase)** | 0.02 | 0.15 | 0.15 | 0.12 | 0.01 | 0.11 | 0.03 | 0.01 | 0.02 | 0.00 | 32.42 | 0.00 | 0.00 | 29.95 |
| **Total (tons/construction project)** | 0.04 | 0.27 | 0.33 | 0.22 | 0.02 | 0.21 | 0.06 | 0.02 | 0.04 | 0.00 | 63.26 | 0.01 | 0.00 | 58.61 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

**Road Construction Emissions Model** **Version 9.0.0**

**Data Entry Worksheet**

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

## Input Type

| | | |
|---|---|---|
| Project Name | Montano Phase II | |
| Construction Start Year | 2020 | Enter a Year between 2014 and 2040 (inclusive) |
| Project Type<br>For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data | 4 | 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway<br>2) Road Widening : Project to add a new lane to an existing roadway<br>3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane<br>4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction |
| Project Construction Time | 3.00 | months |
| Working Days per Month | 27.00 | days (assume 22 if unknown) |
| Predominant Soil/Site Type: Enter 1, 2, or 3<br>(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22) | 2 | 1) Sand Gravel : Use for quaternary deposits (Delta/West County)<br>2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta)<br>3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta) |
| Project Length | 0.50 | miles |
| Total Project Area | 0.30 | acres |
| Maximum Area Disturbed/Day | 0.30 | acres |
| Water Trucks Used? | 2 | 1. Yes<br>2. No |

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

## Material Hauling Quantity Input

| Material Type | Phase | Haul Truck Capacity ($yd^3$) (assume 20 if unknown) | Import Volume ($yd^3$/day) | Export Volume ($yd^3$/day) |
|---|---|---|---|---|
| Soil | Grubbing/Land Clearing | 20.00 | | |
| | Grading/Excavation | 20.00 | | 46.68 |
| | Drainage/Utilities/Sub-Grade | 20.00 | | 35.19 |
| | Paving | 20.00 | | |
| Asphalt | Grubbing/Land Clearing | 20.00 | | |
| | Grading/Excavation | 20.00 | | |
| | Drainage/Utilities/Sub-Grade | 20.00 | | |
| | Paving | 20.00 | 140.03 | |

## Mitigation Options

| | | |
|---|---|---|
| On-road Fleet Emissions Mitigation | No Mitigation | Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer |
| Off-road Equipment Emissions Mitigation | Tier 4 Equipment | Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation).<br>Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard |
| Will all off-road equipment be tier 4? | Tier 4 equipment for limited equipment types | |

If 'Tier 4 equipment for limited equipment types' is selected, please provide tier information for each equipment type in cells from E183 to E379 below.

**The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.**

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

| Construction Periods | User Override of Construction Months | Program Calculated Months | User Override of Phase Starting Date | Program Default Phase Starting Date |
|---|---|---|---|---|
| Grubbing/Land Clearing | | 0.30 | | 1/1/2020 |
| Grading/Excavation | | 1.35 | | 1/11/2020 |
| Drainage/Utilities/Sub-Grade | | 0.90 | | 2/22/2020 |
| Paving | | 0.45 | | 3/21/2020 |
| **Totals (Months)** | 3 | | | |

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

| **Soil Hauling Emissions** | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT |
|---|---|---|---|---|---|
| **User Input** | | | | | |
| Miles/round trip: Grubbing/Land Clearing | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Grading/Excavation | 40.00 | | | 3 | 120.00 |
| Miles/round trip: Drainage/Utilities/Sub-Grade | 40.00 | | | 2 | 80.00 |
| Miles/round trip: Paving | 40.00 | | | 0 | 0.00 |

| **Emission Rates** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Hauling Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.14 | 0.34 | 2.02 | 0.06 | 0.05 | 0.00 | 500.55 | 0.01 | 0.08 | 524.16 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 9.55 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.09 | 0.23 | 1.35 | 0.04 | 0.03 | 0.00 | 333.70 | 0.00 | 0.05 | 349.44 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 4.05 | 0.00 | 0.00 | 4.25 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 13.18 | 0.00 | 0.00 | 13.80 |

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

| **Asphalt Hauling Emissions** | User Override of Miles/Round Trip | Program Estimate of Miles/Round Trip | User Override of Truck Round Trips/Day | Default Values Round Trips/Day | Calculated Daily VMT |
|---|---|---|---|---|---|
| **User Input** | | | | | |
| Miles/round trip: Grubbing/Land Clearing | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Grading/Excavation | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Drainage/Utilities/Sub-Grade | 40.00 | | | 0 | 0.00 |
| Miles/round trip: Paving | 40.00 | | | 8 | 320.00 |

| **Emission Rates** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.37 | 0.92 | 5.39 | 0.17 | 0.12 | 0.01 | 1,334.80 | 0.02 | 0.21 | 1,397.76 |
| Tons per const. Period - Paving | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 8.11 | 0.00 | 0.00 | 8.49 |
| Total tons per construction project | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 8.11 | 0.00 | 0.00 | 8.49 |

Note: Worker commute default values can be overridden in cells D121 through D126.

| Worker Commute Emissions<br>User Input | User Override of Worker Commute Default Values | Default Values | Calculated Daily Trips | Calculated Daily VMT |
|---|---|---|---|---|
| Miles/ one-way trip | 11 | | | |
| One-way trips/day | 2 | | | |
| No. of employees: Grubbing/Land Clearing | 0 | | 0 | 0.00 |
| No. of employees: Grading/Excavation | 5 | | 10 | 110.00 |
| No. of employees: Drainage/Utilities/Sub-Grade | 5 | | 10 | 110.00 |
| No. of employees: Paving | 5 | | 10 | 110.00 |

| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Grading/Excavation (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Paving (grams/mile) | 0.02 | 1.22 | 0.11 | 0.05 | 0.02 | 0.00 | 350.90 | 0.01 | 0.01 | 353.67 |
| Grubbing/Land Clearing (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Grading/Excavation (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Draining/Utilities/Sub-Grade (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| Paving (grams/trip) | 1.25 | 3.05 | 0.37 | 0.00 | 0.00 | 0.00 | 75.08 | 0.09 | 0.04 | 88.34 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 1.60 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 1.07 |
| Pounds per day - Paving | 0.03 | 0.36 | 0.04 | 0.01 | 0.00 | 0.00 | 86.75 | 0.00 | 0.00 | 87.72 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.53 |
| Total tons per construction project | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 3.20 |

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

| Water Truck Emissions<br>User Input | User Override of Default # Water Trucks | Program Estimate of Number of Water Trucks | User Override of Truck Round Trips/Vehicle/Day | Default Values Round Trips/Vehicle/Day | Calculated Trips/day | User Override of Miles/Round Trip | Default Values Miles/Round Trip | Calculated Daily VMT |
|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing - Exhaust | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Grading/Excavation - Exhaust | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Drainage/Utilities/Subgrade | 0 | | 0.00 | | | 0.00 | | 0.00 |
| Paving | 0 | | 0.00 | | | 0.00 | | 0.00 |

| Emission Rates | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|
| Grubbing/Land Clearing (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grading/Excavation (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Draining/Utilities/Sub-Grade (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Paving (grams/mile) | 0.53 | 1.30 | 7.55 | 0.24 | 0.17 | 0.02 | 1,892.05 | 0.02 | 0.30 | 1,981.28 |
| Grubbing/Land Clearing (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading/Excavation (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Draining/Utilities/Sub-Grade (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving (grams/trip) | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Emissions** | **ROG** | **CO** | **NOx** | **PM10** | **PM2.5** | **SOx** | **CO2** | **CH4** | **N2O** | **CO2e** |
| Pounds per day - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grubbing/Land Clearing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Grading/Excavation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Drainage/Utilities/Sub-Grade | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pounds per day - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tons per const. Period - Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total tons per construction project | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Note: Fugitive dust default values can be overridden in cells D183 through D185.

| Fugitive Dust | User Override of Max Acreage Disturbed/Day | Default Maximum Acreage/Day | PM10 pounds/day | PM10 tons/per period | PM2.5 pounds/day | PM2.5 tons/per period |
|---|---|---|---|---|---|---|
| Fugitive Dust - Grubbing/Land Clearing | 0.30 | | 6.00 | 0.02 | 1.25 | 0.01 |
| Fugitive Dust - Grading/Excavation | 0.30 | | 6.00 | 0.11 | 1.25 | 0.02 |
| Fugitive Dust - Drainage/Utilities/Subgrade | 0.30 | | 6.00 | 0.07 | 1.25 | 0.02 |

Values in cells D195 through D228, D246 through D279, D297 through D330, and D348 through D381 are required when 'Other Project Type' is selected.
Values in cells E232 through E236, E283 through E287, E334 through E338, and E385 through E389 are required when non-default Equipment are used and they are not all Tier 4

**Off-Road Equipment Emissions**

| **Grubbing/Land Clearing** | Default Number of Vehicles | Mitigation Option Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Current Equipment Tier | Type | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | Tier 4 | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Signal Boards | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**User-Defined Off-road Equipment** If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

| Number of Vehicles | Equipment Tier | Type | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | N/A | | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | pounds per day | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grubbing/Land Clearing | tons per phase | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Grading/Excavation | Default Number of Vehicles | Mitigation Option Override of | Current | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | Tier 4 | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Concrete/Industrial Saws | 0.16 | 3.86 | 0.31 | 0.02 | 0.01 | 0.01 | 592.67 | 0.04 | 0.00 | 594.93 |
| | | Tier 4 | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Excavators | 0.16 | 3.92 | 0.32 | 0.02 | 0.01 | 0.01 | 500.12 | 0.16 | 0.00 | 505.51 |
| | | Tier 4 | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | Model Default Tier | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | Tier 4 | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grading/Excavation | | pounds per day | 0.43 | 8.38 | 1.35 | 0.06 | 0.06 | 0.01 | 1,191.41 | 0.21 | 0.01 | 1,199.57 |
| | Grading/Excavation | | tons per phase | 0.01 | 0.15 | 0.02 | 0.00 | 0.00 | 0.00 | 21.71 | 0.00 | 0.00 | 21.86 |

| Drainage/Utilities/Subgrade | Default Number of Vehicles | Mitigation Option Override of | Current | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | Tier 4 | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cement and Mortar Mixers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pavers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Plate Compactors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rollers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | Model Default Tier | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | Tier 4 | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Surfacing Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Trenchers | 0.10 | 2.55 | 0.21 | 0.01 | 0.01 | 0.00 | 326.81 | 0.11 | 0.00 | 330.33 |
| 1.00 | | Model Default Tier | Model Default Tier | Welders | 0.34 | 1.77 | 1.57 | 0.09 | 0.09 | 0.00 | 207.48 | 0.03 | 0.00 | 208.76 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Drainage/Utilities/Sub-Grade | | pounds per day | 0.56 | 4.91 | 2.50 | 0.13 | 0.12 | 0.01 | 632.92 | 0.15 | 0.01 | 638.22 |
| | Drainage/Utilities/Sub-Grade | | tons per phase | 0.01 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 7.69 | 0.00 | 0.00 | 7.75 |

| Paving | Default Number of Vehicles | Mitigation Option Override of | Current | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Override of Default Number of Vehicles | *Program-estimate* | Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected) | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| | | Tier 4 | Tier 4 | Aerial Lifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Air Compressors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Bore/Drill Rigs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Cement and Mortar Mixers | 0.03 | 0.53 | 0.47 | 0.03 | 0.02 | 0.00 | 50.52 | 0.01 | 0.00 | 50.77 |
| | | Tier 4 | Tier 4 | Concrete/Industrial Saws | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Cranes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crawler Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Crushing/Proc. Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Excavators | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Generator Sets | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Graders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Tractors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Off-Highway Trucks | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Construction Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other General Industrial Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Other Material Handling Equipm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Pavers | 0.14 | 3.56 | 0.29 | 0.01 | 0.01 | 0.00 | 455.27 | 0.15 | 0.00 | 460.18 |
| | | Tier 4 | Tier 4 | Paving Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Model Default Tier | Model Default Tier | Plate Compactors | 0.04 | 0.21 | 0.25 | 0.01 | 0.01 | 0.00 | 34.48 | 0.00 | 0.00 | 34.65 |
| | | Tier 4 | Tier 4 | Pressure Washers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Pumps | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Rollers | 0.08 | 1.98 | 0.16 | 0.01 | 0.01 | 0.00 | 254.07 | 0.08 | 0.00 | 256.80 |
| | | Tier 4 | Tier 4 | Rough Terrain Forklifts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Dozers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Rubber Tired Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Scrapers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2.00 | | Model Default Tier | Model Default Tier | Signal Boards | 0.11 | 0.60 | 0.72 | 0.03 | 0.03 | 0.00 | 98.63 | 0.01 | 0.00 | 99.13 |
| | | Tier 4 | Tier 4 | Skid Steer Loaders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.00 | | Tier 4 | Tier 4 | Surfacing Equipment | 0.21 | 3.62 | 0.42 | 0.02 | 0.02 | 0.01 | 656.31 | 0.21 | 0.01 | 663.38 |
| | | Tier 4 | Tier 4 | Sweepers/Scrubbers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Tractors/Loaders/Backhoes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Trenchers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tier 4 | Tier 4 | Welders | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| User-Defined Off-road Equipment | If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab | | | ROG | CO | NOx | PM10 | PM2.5 | SOx | CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Vehicles | | Equipment Tier | Type | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day | pounds/day |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | N/A | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Paving | pounds per day | 0.61 | 10.51 | 2.31 | 0.11 | 0.10 | 0.02 | 1,549.27 | 0.46 | 0.01 | 1,564.92 |
| | Paving | tons per phase | 0.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 9.41 | 0.00 | 0.00 | 9.51 |
| **Total Emissions all Phases (tons per construction period) =>** | | | 0.02 | 0.28 | 0.07 | 0.00 | 0.00 | 0.00 | 38.82 | 0.01 | 0.00 | 39.12 |

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

| Equipment | User Override of Horsepower | Default Values Horsepower | User Override of Hours/day | Default Values Hours/day |
|---|---|---|---|---|
| Aerial Lifts | | 63 | | 8 |
| Air Compressors | | 78 | | 8 |
| Bore/Drill Rigs | | 221 | | 8 |
| Cement and Mortar Mixers | | 9 | | 8 |
| Concrete/Industrial Saws | | 81 | | 8 |
| Cranes | | 231 | | 8 |
| Crawler Tractors | | 212 | | 8 |
| Crushing/Proc. Equipment | | 85 | | 8 |
| Excavators | | 158 | | 8 |
| Forklifts | | 89 | | 8 |
| Generator Sets | | 84 | | 8 |
| Graders | | 187 | | 8 |
| Off-Highway Tractors | | 124 | | 8 |
| Off-Highway Trucks | | 402 | | 8 |
| Other Construction Equipment | | 172 | | 8 |
| Other General Industrial Equipment | | 88 | | 8 |
| Other Material Handling Equipment | | 168 | | 8 |
| Pavers | | 130 | | 8 |
| Paving Equipment | | 132 | | 8 |
| Plate Compactors | | 8 | | 8 |
| Pressure Washers | | 13 | | 8 |
| Pumps | | 84 | | 8 |
| Rollers | | 80 | | 8 |
| Rough Terrain Forklifts | | 100 | | 8 |
| Rubber Tired Dozers | | 247 | | 8 |
| Rubber Tired Loaders | | 203 | | 8 |
| Scrapers | | 367 | | 8 |
| Signal Boards | | 6 | | 8 |
| Skid Steer Loaders | | 65 | | 8 |
| Surfacing Equipment | | 263 | | 8 |
| Sweepers/Scrubbers | | 64 | | 8 |
| Tractors/Loaders/Backhoes | | 97 | | 8 |
| Trenchers | | 78 | | 8 |
| Welders | | 46 | | 8 |

**END OF DATA ENTRY SHEET**

## Road Construction Emissions Model, Version 9.0.0

| Daily Emission Estimates for -> Montano Phase II<br>Project Phases (Pounds) | ROG (lbs/day) | CO (lbs/day) | NOx (lbs/day) | Total PM10 (lbs/day) | Exhaust PM10 (lbs/day) | Fugitive Dust PM10 (lbs/day) | Total PM2.5 (lbs/day) | Exhaust PM2.5 (lbs/day) | Fugitive Dust PM2.5 (lbs/day) | SOx (lbs/day) | CO2 (lbs/day) | CH4 (lbs/day) | N2O (lbs/day) | CO2e (lbs/day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grubbing/Land Clearing** | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 6.00 | 1.25 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Grading/Excavation** | 0.60 | 9.09 | 3.41 | 6.13 | 0.13 | 6.00 | 1.35 | 0.11 | 1.25 | 0.02 | 1,778.71 | 0.22 | 0.09 | 1,811.45 |
| **Drainage/Utilities/Sub-Grade** | 0.69 | 5.51 | 3.88 | 6.18 | 0.18 | 6.00 | 1.41 | 0.16 | 1.25 | 0.01 | 1,053.37 | 0.15 | 0.06 | 1,075.38 |
| **Paving** | 1.02 | 11.79 | 7.73 | 0.29 | 0.29 | 0.00 | 0.23 | 0.23 | 0.00 | 0.03 | 2,970.82 | 0.48 | 0.23 | 3,050.40 |
| **Maximum (pounds/day)** | 1.02 | 11.79 | 7.73 | 6.18 | 0.29 | 6.00 | 1.41 | 0.23 | 1.25 | 0.03 | 2,970.82 | 0.48 | 0.23 | 3,050.40 |
| **Total (tons/construction project)** | 0.03 | 0.30 | 0.16 | 0.21 | 0.01 | 0.21 | 0.05 | 0.01 | 0.04 | 0.00 | 63.26 | 0.01 | 0.00 | 64.61 |

Notes:

| | |
|---|---|
| Project Start Year -> | 2020 |
| Project Length (months) -> | 3 |
| Total Project Area (acres) -> | 0 |
| Maximum Area Disturbed/Day (acres) -> | 0 |
| Water Truck Used? -> | No |

| | Total Material Imported/Exported Volume ($yd^3$/day) | | Daily VMT (miles/day) | | | |
|---|---|---|---|---|---|---|
| Phase | Soil | Asphalt | Soil Hauling | Asphalt Hauling | Worker Commute | Water Truck |
| Grubbing/Land Clearing | 0 | 0 | 0 | 0 | 0 | 0 |
| Grading/Excavation | 47 | 0 | 120 | 0 | 110 | 0 |
| Drainage/Utilities/Sub-Grade | 35 | 0 | 80 | 0 | 110 | 0 |
| Paving | 0 | 140 | 0 | 320 | 110 | 0 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

| Total Emission Estimates by Phase for -> Montano Phase II<br>Project Phases<br>(Tons for all except CO2e. Metric tonnes for CO2e) | ROG (tons/phase) | CO (tons/phase) | NOx (tons/phase) | Total PM10 (tons/phase) | Exhaust PM10 (tons/phase) | Fugitive Dust PM10 (tons/phase) | Total PM2.5 (tons/phase) | Exhaust PM2.5 (tons/phase) | Fugitive Dust PM2.5 (tons/phase) | SOx (tons/phase) | CO2 (tons/phase) | CH4 (tons/phase) | N2O (tons/phase) | CO2e (MT/phase) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grubbing/Land Clearing** | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Grading/Excavation** | 0.01 | 0.17 | 0.06 | 0.11 | 0.00 | 0.11 | 0.02 | 0.00 | 0.02 | 0.00 | 32.42 | 0.00 | 0.00 | 29.95 |
| **Drainage/Utilities/Sub-Grade** | 0.01 | 0.07 | 0.05 | 0.08 | 0.00 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 12.80 | 0.00 | 0.00 | 11.85 |
| **Paving** | 0.01 | 0.07 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.05 | 0.00 | 0.00 | 16.81 |
| **Maximum (tons/phase)** | 0.01 | 0.17 | 0.06 | 0.11 | 0.00 | 0.11 | 0.02 | 0.00 | 0.02 | 0.00 | 32.42 | 0.00 | 0.00 | 29.95 |
| **Total (tons/construction project)** | 0.03 | 0.30 | 0.16 | 0.21 | 0.01 | 0.21 | 0.05 | 0.01 | 0.04 | 0.00 | 63.26 | 0.01 | 0.00 | 58.61 |

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

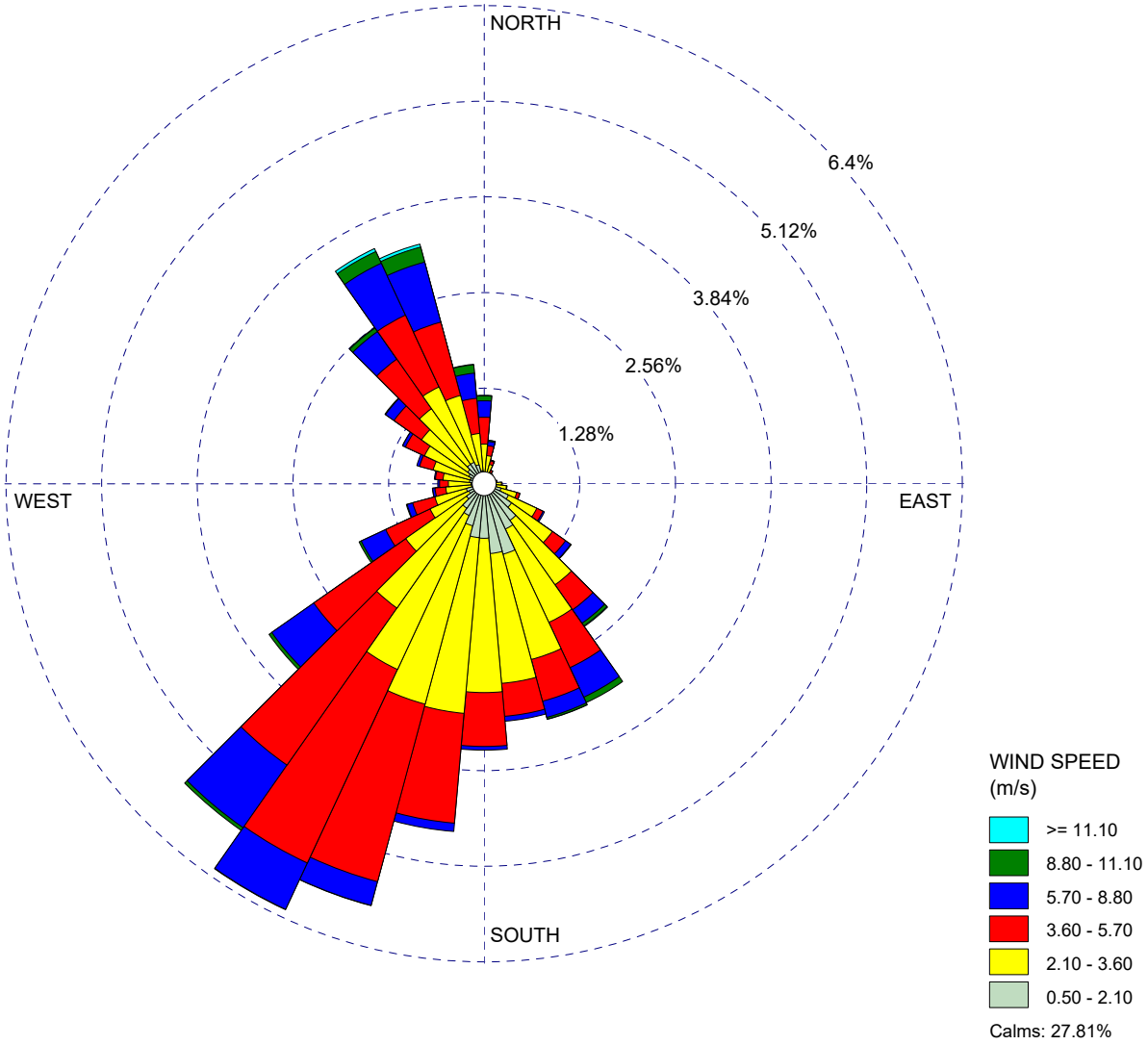
# Wind Rose and
# HARP2 Health Risk Results

WIND ROSE PLOT:

**Sacramento Executive Airport**
**1/1/2010 - 12/31/2014**

DISPLAY:

**Wind Speed**
**Direction (blowing from)**




| COMMENTS: | DATA PERIOD: | COMPANY NAME: | |
|---|---|---|---|
| | **Start Date: 1/1/2010 - 00:00**<br>**End Date: 12/31/2014 - 23:59** | **Ascent Environmental** | |
| | | MODELER: | |
| | CALM WINDS:<br>**27.81%** | TOTAL COUNT:<br>**41720 hrs.** | |
| | AVG. WIND SPEED:<br>**2.60 m/s** | DATE:<br>**6/19/2019** | PROJECT NO.:<br>**16010110.04** |

WRPLOT View - Lakes Environmental Software

| REC | GRP | X | Y | RISK_SUM | SCENARIO | INH_RISK | SOIL_RISK | DERMAL_RISK | MMILK_RISK | WATER_RISK | FISH_RISK | CROP_RISK | BEEF_RISK | DAIRY_RISK | PIG_RISK | CHICKEN_RISK | EGG_RISK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | 2.28E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.28E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 2 | ALL | 667364.6 | 4278253 | 2.64E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3 | ALL | 667464.6 | 4278253 | 3.09E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 4 | ALL | 667564.6 | 4278253 | 3.66E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.66E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 5 | ALL | 667664.6 | 4278253 | 4.44E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 6 | ALL | 667764.6 | 4278253 | 5.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 7 | ALL | 667864.6 | 4278253 | 6.99E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.99E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 8 | ALL | 667964.6 | 4278253 | 9.18E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.18E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 9 | ALL | 668364.6 | 4278253 | 3.15E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 10 | ALL | 668764.6 | 4278253 | 2.89E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.89E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 11 | ALL | 668864.6 | 4278253 | 2.34E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.34E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 12 | ALL | 669264.6 | 4278253 | 1.03E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 13 | ALL | 667264.6 | 4278353 | 2.40E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 14 | ALL | 667364.6 | 4278353 | 2.83E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.83E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 15 | ALL | 667464.6 | 4278353 | 3.37E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 16 | ALL | 667564.6 | 4278353 | 4.05E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.05E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 17 | ALL | 667664.6 | 4278353 | 4.91E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.91E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 18 | ALL | 667764.6 | 4278353 | 6.22E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.22E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 19 | ALL | 667864.6 | 4278353 | 8.06E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 20 | ALL | 667964.6 | 4278353 | 1.09E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.09E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 21 | ALL | 668064.6 | 4278353 | 1.53E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 22 | ALL | 668164.6 | 4278353 | 2.25E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.25E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 23 | ALL | 668264.6 | 4278353 | 3.34E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.34E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 24 | ALL | 668364.6 | 4278353 | 4.49E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.49E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 25 | ALL | 668764.6 | 4278353 | 3.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 26 | ALL | 668864.6 | 4278353 | 2.56E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 27 | ALL | 669164.6 | 4278353 | 1.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 28 | ALL | 669264.6 | 4278353 | 1.04E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.04E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 29 | ALL | 667264.6 | 4278453 | 2.53E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.53E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 30 | ALL | 667364.6 | 4278453 | 3.02E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 31 | ALL | 667464.6 | 4278453 | 3.66E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.66E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 32 | ALL | 667564.6 | 4278453 | 4.48E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.48E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 33 | ALL | 667664.6 | 4278453 | 5.41E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 34 | ALL | 667764.6 | 4278453 | 6.95E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.95E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 35 | ALL | 667864.6 | 4278453 | 9.15E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 36 | ALL | 667964.6 | 4278453 | 1.32E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 37 | ALL | 668064.6 | 4278453 | 1.95E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.95E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 38 | ALL | 668164.6 | 4278453 | 3.13E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.13E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 39 | ALL | 668264.6 | 4278453 | 5.15E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 40 | ALL | 668364.6 | 4278453 | 6.87E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 41 | ALL | 668764.6 | 4278453 | 3.68E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 42 | ALL | 668864.6 | 4278453 | 2.76E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.76E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 43 | ALL | 669164.6 | 4278453 | 1.30E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 44 | ALL | 669264.6 | 4278453 | 1.04E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.04E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 45 | ALL | 667264.6 | 4278553 | 2.70E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 46 | ALL | 667364.6 | 4278553 | 3.25E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.25E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 47 | ALL | 667464.6 | 4278553 | 3.99E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.99E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 48 | ALL | 667564.6 | 4278553 | 4.97E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.97E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | ALL | 667664.6 | 4278553 | 6.16E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 50 | ALL | 667764.6 | 4278553 | 7.93E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 51 | ALL | 667864.6 | 4278553 | 1.12E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 52 | ALL | 667964.6 | 4278553 | 1.63E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 53 | ALL | 668064.6 | 4278553 | 2.60E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.60E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 54 | ALL | 668164.6 | 4278553 | 4.97E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.97E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 55 | ALL | 668264.6 | 4278553 | 9.72E-07 | 3YrCancerDerived_Inh_FAH16to70 | 9.72E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 56 | ALL | 668364.6 | 4278553 | 1.16E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.16E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 57 | ALL | 668464.6 | 4278553 | 1.10E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.10E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 58 | ALL | 668564.6 | 4278553 | 8.25E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.25E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 59 | ALL | 668864.6 | 4278553 | 2.94E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.94E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 60 | ALL | 668964.6 | 4278553 | 2.19E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 61 | ALL | 669064.6 | 4278553 | 1.67E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 62 | ALL | 669164.6 | 4278553 | 1.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 63 | ALL | 669264.6 | 4278553 | 9.94E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.94E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 64 | ALL | 667264.6 | 4278653 | 2.92E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 65 | ALL | 667364.6 | 4278653 | 3.53E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.53E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 66 | ALL | 667464.6 | 4278653 | 4.37E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 67 | ALL | 667564.6 | 4278653 | 5.49E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.49E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 68 | ALL | 667664.6 | 4278653 | 7.09E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 69 | ALL | 667764.6 | 4278653 | 9.67E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.67E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 70 | ALL | 667864.6 | 4278653 | 1.37E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 71 | ALL | 667964.6 | 4278653 | 2.08E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.08E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 72 | ALL | 668064.6 | 4278653 | 3.62E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.62E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 73 | ALL | 668164.6 | 4278653 | 1.26E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 74 | ALL | 668264.6 | 4278653 | 3.16E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.16E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 75 | ALL | 668364.6 | 4278653 | 2.39E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 76 | ALL | 668464.6 | 4278653 | 1.64E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 77 | ALL | 668564.6 | 4278653 | 1.03E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.03E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 78 | ALL | 667264.6 | 4278753 | 3.23E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.23E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 79 | ALL | 667364.6 | 4278753 | 3.90E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.90E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 80 | ALL | 667464.6 | 4278753 | 4.84E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.84E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 81 | ALL | 667564.6 | 4278753 | 6.11E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.11E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 82 | ALL | 667664.6 | 4278753 | 8.17E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.17E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 83 | ALL | 667764.6 | 4278753 | 1.15E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 84 | ALL | 667864.6 | 4278753 | 1.68E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 85 | ALL | 667964.6 | 4278753 | 2.69E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.69E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 86 | ALL | 668064.6 | 4278753 | 5.01E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.01E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 87 | ALL | 668364.6 | 4278753 | 9.66E-06 | 3YrCancerDerived_Inh_FAH16to70 | 9.66E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 88 | ALL | 668464.6 | 4278753 | 2.25E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.25E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 89 | ALL | 668564.6 | 4278753 | 1.22E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.22E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 90 | ALL | 667264.6 | 4278853 | 3.65E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 91 | ALL | 667364.6 | 4278853 | 4.41E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 92 | ALL | 667464.6 | 4278853 | 5.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 93 | ALL | 667564.6 | 4278853 | 6.95E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.95E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 94 | ALL | 667664.6 | 4278853 | 9.53E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.53E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 95 | ALL | 667764.6 | 4278853 | 1.36E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.36E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 96 | ALL | 667864.6 | 4278853 | 2.07E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.07E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 97 | ALL | 668364.6 | 4278853 | 1.28E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.28E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | ALL | 668464.6 | 4278853 | 3.02E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.02E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 99 | ALL | 668564.6 | 4278853 | 1.42E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.42E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 100 | ALL | 668664.6 | 4278853 | 7.70E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.70E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 101 | ALL | 667264.6 | 4278953 | 4.20E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.20E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 102 | ALL | 667364.6 | 4278953 | 5.10E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.10E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 103 | ALL | 667464.6 | 4278953 | 6.37E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 104 | ALL | 667564.6 | 4278953 | 8.11E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.11E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 105 | ALL | 667664.6 | 4278953 | 1.12E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 106 | ALL | 668264.6 | 4278953 | 1.72E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.72E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 107 | ALL | 668664.6 | 4278953 | 8.02E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.02E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 108 | ALL | 668764.6 | 4278953 | 4.72E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.72E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 109 | ALL | 668864.6 | 4278953 | 3.04E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.04E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 110 | ALL | 669064.6 | 4278953 | 1.49E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.49E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 111 | ALL | 669164.6 | 4278953 | 1.06E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.06E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 112 | ALL | 669264.6 | 4278953 | 7.86E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 113 | ALL | 667264.6 | 4279053 | 4.71E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.71E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 114 | ALL | 667364.6 | 4279053 | 5.82E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 115 | ALL | 667464.6 | 4279053 | 7.36E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 116 | ALL | 667564.6 | 4279053 | 9.57E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.57E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 117 | ALL | 668264.6 | 4279053 | 2.90E-05 | 3YrCancerDerived_Inh_FAH16to70 | 2.90E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 118 | ALL | 668664.6 | 4279053 | 8.20E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.20E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 119 | ALL | 668764.6 | 4279053 | 4.75E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.75E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 120 | ALL | 668864.6 | 4279053 | 3.02E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.02E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 121 | ALL | 668964.6 | 4279053 | 2.04E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.04E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 122 | ALL | 669064.6 | 4279053 | 1.39E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.39E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 123 | ALL | 669164.6 | 4279053 | 9.78E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.78E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 124 | ALL | 667264.6 | 4279153 | 5.08E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.08E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 125 | ALL | 667364.6 | 4279153 | 6.51E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.51E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 126 | ALL | 667464.6 | 4279153 | 8.32E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.32E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 127 | ALL | 667564.6 | 4279153 | 1.10E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 128 | ALL | 668164.6 | 4279153 | 1.32E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 129 | ALL | 668264.6 | 4279153 | 2.98E-05 | 3YrCancerDerived_Inh_FAH16to70 | 2.98E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 130 | ALL | 668664.6 | 4279153 | 8.36E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.36E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 131 | ALL | 668764.6 | 4279153 | 4.88E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 132 | ALL | 668864.6 | 4279153 | 3.10E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 133 | ALL | 668964.6 | 4279153 | 2.07E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.07E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 134 | ALL | 669064.6 | 4279153 | 1.37E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 135 | ALL | 667264.6 | 4279253 | 5.64E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 136 | ALL | 667364.6 | 4279253 | 7.18E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.18E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 137 | ALL | 667464.6 | 4279253 | 9.21E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 138 | ALL | 668064.6 | 4279253 | 2.03E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.03E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 139 | ALL | 668264.6 | 4279253 | 2.39E-05 | 3YrCancerDerived_Inh_FAH16to70 | 2.39E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 140 | ALL | 668664.6 | 4279253 | 8.65E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 141 | ALL | 668764.6 | 4279253 | 5.15E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 142 | ALL | 668864.6 | 4279253 | 3.29E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.29E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 143 | ALL | 668964.6 | 4279253 | 2.16E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.16E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 144 | ALL | 667264.6 | 4279353 | 6.27E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 145 | ALL | 667364.6 | 4279353 | 7.80E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.80E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 146 | ALL | 668164.6 | 4279353 | 3.71E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | ALL | 668264.6 | 4279353 | 8.33E-06 | 3YrCancerDerived_Inh_FAH16to70 | 8.33E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 148 | ALL | 668664.6 | 4279353 | 8.88E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 149 | ALL | 668764.6 | 4279353 | 5.47E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.47E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 150 | ALL | 668864.6 | 4279353 | 3.55E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.55E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 151 | ALL | 668964.6 | 4279353 | 2.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 152 | ALL | 667264.6 | 4279453 | 6.65E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 153 | ALL | 667364.6 | 4279453 | 8.15E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 154 | ALL | 667864.6 | 4279453 | 4.50E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.50E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 155 | ALL | 667964.6 | 4279453 | 7.61E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.61E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 156 | ALL | 668064.6 | 4279453 | 1.33E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.33E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 157 | ALL | 668164.6 | 4279453 | 2.09E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.09E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 158 | ALL | 668264.6 | 4279453 | 2.83E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 159 | ALL | 668564.6 | 4279453 | 1.37E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.37E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 160 | ALL | 668664.6 | 4279453 | 8.62E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.62E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 161 | ALL | 668764.6 | 4279453 | 5.61E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.61E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 162 | ALL | 668864.6 | 4279453 | 3.73E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.73E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 163 | ALL | 667264.6 | 4279553 | 6.82E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 164 | ALL | 667764.6 | 4279553 | 2.80E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.80E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 165 | ALL | 667864.6 | 4279553 | 4.15E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 166 | ALL | 667964.6 | 4279553 | 6.12E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 167 | ALL | 668064.6 | 4279553 | 9.81E-07 | 3YrCancerDerived_Inh_FAH16to70 | 9.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 168 | ALL | 668164.6 | 4279553 | 1.23E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 169 | ALL | 668264.6 | 4279553 | 1.40E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.40E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 170 | ALL | 668364.6 | 4279553 | 1.59E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 171 | ALL | 668464.6 | 4279553 | 1.46E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 172 | ALL | 668564.6 | 4279553 | 1.09E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.09E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 173 | ALL | 668664.6 | 4279553 | 7.72E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.72E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 174 | ALL | 668764.6 | 4279553 | 5.41E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.41E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 175 | ALL | 667264.6 | 4279653 | 6.86E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 176 | ALL | 667564.6 | 4279653 | 1.43E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.43E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 177 | ALL | 667664.6 | 4279653 | 1.86E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.86E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 178 | ALL | 667764.6 | 4279653 | 2.57E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 179 | ALL | 667864.6 | 4279653 | 3.66E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.66E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 180 | ALL | 667964.6 | 4279653 | 5.27E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.27E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 181 | ALL | 668064.6 | 4279653 | 7.32E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 182 | ALL | 668164.6 | 4279653 | 7.76E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.76E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 183 | ALL | 668264.6 | 4279653 | 8.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 184 | ALL | 668364.6 | 4279653 | 9.42E-07 | 3YrCancerDerived_Inh_FAH16to70 | 9.42E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 185 | ALL | 668464.6 | 4279653 | 9.67E-07 | 3YrCancerDerived_Inh_FAH16to70 | 9.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 186 | ALL | 668564.6 | 4279653 | 8.30E-07 | 3YrCancerDerived_Inh_FAH16to70 | 8.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 187 | ALL | 668664.6 | 4279653 | 6.48E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.48E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 188 | ALL | 668764.6 | 4279653 | 4.91E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.91E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 189 | ALL | 667564.6 | 4279753 | 1.37E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 190 | ALL | 667664.6 | 4279753 | 1.65E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 191 | ALL | 667764.6 | 4279753 | 2.19E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 192 | ALL | 667864.6 | 4279753 | 3.27E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.27E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 193 | ALL | 667964.6 | 4279753 | 4.44E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.44E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 194 | ALL | 668064.6 | 4279753 | 5.21E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.21E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 195 | ALL | 668164.6 | 4279753 | 5.24E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.24E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | ALL | 668264.6 | 4279753 | 5.45E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.45E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 197 | ALL | 668364.6 | 4279753 | 6.14E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 198 | ALL | 668464.6 | 4279753 | 6.60E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.60E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 199 | ALL | 668564.6 | 4279753 | 6.20E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.20E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 200 | ALL | 668664.6 | 4279753 | 5.26E-07 | 3YrCancerDerived_Inh_FAH16to70 | 5.26E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 201 | ALL | 667864.6 | 4279853 | 2.88E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 202 | ALL | 667964.6 | 4279853 | 3.77E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.77E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 203 | ALL | 668064.6 | 4279853 | 3.82E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.82E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 204 | ALL | 668164.6 | 4279853 | 3.75E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.75E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 205 | ALL | 668264.6 | 4279853 | 3.86E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.86E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 206 | ALL | 668364.6 | 4279853 | 4.28E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 207 | ALL | 668464.6 | 4279853 | 4.68E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 208 | ALL | 668564.6 | 4279853 | 4.63E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 209 | ALL | 668664.6 | 4279853 | 4.13E-07 | 3YrCancerDerived_Inh_FAH16to70 | 4.13E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 210 | ALL | 668764.6 | 4279853 | 3.52E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 211 | ALL | 667264.6 | 4279953 | 6.34E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.34E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 212 | ALL | 668064.6 | 4279953 | 2.89E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.89E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 213 | ALL | 668164.6 | 4279953 | 2.80E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.80E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 214 | ALL | 668264.6 | 4279953 | 2.87E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 215 | ALL | 668364.6 | 4279953 | 3.14E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 216 | ALL | 668464.6 | 4279953 | 3.44E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.44E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 217 | ALL | 668564.6 | 4279953 | 3.52E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 218 | ALL | 668664.6 | 4279953 | 3.24E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.24E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 219 | ALL | 668764.6 | 4279953 | 2.88E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 220 | ALL | 667264.6 | 4280053 | 6.61E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.61E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 221 | ALL | 667364.6 | 4280053 | 8.44E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 222 | ALL | 667464.6 | 4280053 | 1.01E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.01E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 223 | ALL | 668164.6 | 4280053 | 2.17E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.17E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 224 | ALL | 668264.6 | 4280053 | 2.22E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.22E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 225 | ALL | 668364.6 | 4280053 | 2.39E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.39E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 226 | ALL | 668464.6 | 4280053 | 2.60E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.60E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 227 | ALL | 668564.6 | 4280053 | 2.65E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 228 | ALL | 668664.6 | 4280053 | 2.56E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 229 | ALL | 668764.6 | 4280053 | 2.39E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.39E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 230 | ALL | 667264.6 | 4280153 | 6.83E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.83E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 231 | ALL | 667364.6 | 4280153 | 8.08E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.08E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 232 | ALL | 667464.6 | 4280153 | 9.67E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.67E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 233 | ALL | 667564.6 | 4280153 | 1.20E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.20E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 234 | ALL | 667664.6 | 4280153 | 1.48E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.48E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 235 | ALL | 667864.6 | 4280153 | 1.81E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 236 | ALL | 667964.6 | 4280153 | 1.84E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.84E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 237 | ALL | 668364.6 | 4280153 | 1.88E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 238 | ALL | 668464.6 | 4280153 | 2.00E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.00E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 239 | ALL | 668564.6 | 4280153 | 2.05E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.05E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 240 | ALL | 668764.6 | 4280153 | 1.99E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.99E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 241 | ALL | 667264.6 | 4280253 | 6.74E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.74E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 242 | ALL | 667364.6 | 4280253 | 7.79E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.79E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 243 | ALL | 667464.6 | 4280253 | 9.21E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 244 | ALL | 667564.6 | 4280253 | 1.13E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.13E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245 | ALL | 667664.6 | 4280253 | 1.33E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 246 | ALL | 667864.6 | 4280253 | 1.53E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 247 | ALL | 667964.6 | 4280253 | 1.52E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 248 | ALL | 668064.6 | 4280253 | 1.47E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.47E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 249 | ALL | 668366.6 | 4278951 | 1.38E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 250 | ALL | 668466.6 | 4278951 | 3.59E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 251 | ALL | 668566.6 | 4278951 | 1.52E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.52E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 252 | ALL | 668366.6 | 4279051 | 1.54E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 253 | ALL | 668466.6 | 4279051 | 3.78E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.78E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 254 | ALL | 668566.6 | 4279051 | 1.58E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.58E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 255 | ALL | 668366.6 | 4279151 | 1.49E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 256 | ALL | 668466.6 | 4279151 | 3.75E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.75E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 257 | ALL | 668566.6 | 4279151 | 1.59E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 258 | ALL | 668366.6 | 4279251 | 1.20E-05 | 3YrCancerDerived_Inh_FAH16to70 | 1.20E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 259 | ALL | 668466.6 | 4279251 | 3.50E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.50E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 260 | ALL | 668566.6 | 4279251 | 1.59E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 261 | ALL | 668366.6 | 4279351 | 7.09E-06 | 3YrCancerDerived_Inh_FAH16to70 | 7.09E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 262 | ALL | 668466.6 | 4279351 | 2.98E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.98E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 263 | ALL | 668566.6 | 4279351 | 1.54E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.54E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 264 | ALL | 668365.5 | 4279451 | 3.13E-06 | 3YrCancerDerived_Inh_FAH16to70 | 3.13E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 265 | ALL | 668465.5 | 4279451 | 2.20E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.20E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| REC | GRP | X | Y | RISK_SUM | SCENARIO | INH_RISK | SOIL_RISK | DERMAL_RISK | MMILK_RISK | WATER_RISK | FISH_RISK | CROP_RISK | BEEF_RISK | DAIRY_RISK | PIG_RISK | CHICKEN_RISK | EGG_RISK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | 2.40E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.40E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 2 | ALL | 667364.6 | 4278253 | 2.78E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.78E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3 | ALL | 667464.6 | 4278253 | 3.28E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.28E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 4 | ALL | 667564.6 | 4278253 | 3.92E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.92E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 5 | ALL | 667664.6 | 4278253 | 4.78E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.78E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 6 | ALL | 667764.6 | 4278253 | 5.98E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.98E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 7 | ALL | 667864.6 | 4278253 | 7.65E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.65E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 8 | ALL | 667964.6 | 4278253 | 1.01E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.01E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 9 | ALL | 668364.6 | 4278253 | 3.87E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 10 | ALL | 668764.6 | 4278253 | 3.13E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.13E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 11 | ALL | 668864.6 | 4278253 | 2.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 12 | ALL | 669264.6 | 4278253 | 1.07E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.07E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 13 | ALL | 667264.6 | 4278353 | 2.53E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.53E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 14 | ALL | 667364.6 | 4278353 | 2.98E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.98E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 15 | ALL | 667464.6 | 4278353 | 3.57E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.57E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 16 | ALL | 667564.6 | 4278353 | 4.30E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 17 | ALL | 667664.6 | 4278353 | 5.22E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.22E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 18 | ALL | 667764.6 | 4278353 | 6.76E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.76E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 19 | ALL | 667864.6 | 4278353 | 8.82E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.82E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 20 | ALL | 667964.6 | 4278353 | 1.20E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.20E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 21 | ALL | 668064.6 | 4278353 | 1.76E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.76E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 22 | ALL | 668164.6 | 4278353 | 2.72E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.72E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 23 | ALL | 668264.6 | 4278353 | 4.25E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.25E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 24 | ALL | 668364.6 | 4278353 | 5.73E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.73E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 25 | ALL | 668764.6 | 4278353 | 3.54E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 26 | ALL | 668864.6 | 4278353 | 2.72E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.72E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 27 | ALL | 669164.6 | 4278353 | 1.33E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 28 | ALL | 669264.6 | 4278353 | 1.07E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.07E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 29 | ALL | 667264.6 | 4278453 | 2.69E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.69E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 30 | ALL | 667364.6 | 4278453 | 3.21E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.21E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 31 | ALL | 667464.6 | 4278453 | 3.89E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.89E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 32 | ALL | 667564.6 | 4278453 | 4.73E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.73E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 33 | ALL | 667664.6 | 4278453 | 5.70E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.70E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 34 | ALL | 667764.6 | 4278453 | 7.42E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.42E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 35 | ALL | 667864.6 | 4278453 | 9.93E-09 | 3YrCancerDerived_Inh_FAH16to70 | 9.93E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 36 | ALL | 667964.6 | 4278453 | 1.49E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.49E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 37 | ALL | 668064.6 | 4278453 | 2.30E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.30E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 38 | ALL | 668164.6 | 4278453 | 4.00E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 39 | ALL | 668264.6 | 4278453 | 7.14E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.14E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 40 | ALL | 668364.6 | 4278453 | 9.19E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 41 | ALL | 668764.6 | 4278453 | 3.94E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.94E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 42 | ALL | 668864.6 | 4278453 | 2.92E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 43 | ALL | 669164.6 | 4278453 | 1.34E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.34E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 44 | ALL | 669264.6 | 4278453 | 1.06E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 45 | ALL | 667264.6 | 4278553 | 2.92E-09 | 3YrCancerDerived_Inh_FAH16to70 | 2.92E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 46 | ALL | 667364.6 | 4278553 | 3.51E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.51E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 47 | ALL | 667464.6 | 4278553 | 4.30E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 48 | ALL | 667564.6 | 4278553 | 5.30E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | ALL | 667664.6 | 4278553 | 6.54E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.54E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 50 | ALL | 667764.6 | 4278553 | 8.46E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.46E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 51 | ALL | 667864.6 | 4278553 | 1.23E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.23E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 52 | ALL | 667964.6 | 4278553 | 1.87E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 53 | ALL | 668064.6 | 4278553 | 3.19E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 54 | ALL | 668164.6 | 4278553 | 7.10E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.10E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 55 | ALL | 668264.6 | 4278553 | 1.56E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 56 | ALL | 668364.6 | 4278553 | 1.64E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.64E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 57 | ALL | 668464.6 | 4278553 | 1.36E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.36E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 58 | ALL | 668564.6 | 4278553 | 9.29E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.29E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 59 | ALL | 668864.6 | 4278553 | 3.07E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.07E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 60 | ALL | 668964.6 | 4278553 | 2.27E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 61 | ALL | 669064.6 | 4278553 | 1.72E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.72E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 62 | ALL | 669164.6 | 4278553 | 1.31E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.31E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 63 | ALL | 669264.6 | 4278553 | 1.01E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.01E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 64 | ALL | 667264.6 | 4278653 | 3.17E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.17E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 65 | ALL | 667364.6 | 4278653 | 3.84E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.84E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 66 | ALL | 667464.6 | 4278653 | 4.74E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.74E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 67 | ALL | 667564.6 | 4278653 | 5.92E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.92E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 68 | ALL | 667664.6 | 4278653 | 7.67E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.67E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 69 | ALL | 667764.6 | 4278653 | 1.06E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 70 | ALL | 667864.6 | 4278653 | 1.53E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.53E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 71 | ALL | 667964.6 | 4278653 | 2.43E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.43E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 72 | ALL | 668064.6 | 4278653 | 4.65E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 73 | ALL | 668164.6 | 4278653 | 2.34E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.34E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 74 | ALL | 668264.6 | 4278653 | 6.30E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 75 | ALL | 668364.6 | 4278653 | 3.64E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.64E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 76 | ALL | 668464.6 | 4278653 | 1.99E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.99E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 77 | ALL | 668564.6 | 4278653 | 1.13E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.13E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 78 | ALL | 667264.6 | 4278753 | 3.51E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.51E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 79 | ALL | 667364.6 | 4278753 | 4.24E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.24E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 80 | ALL | 667464.6 | 4278753 | 5.24E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.24E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 81 | ALL | 667564.6 | 4278753 | 6.62E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.62E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 82 | ALL | 667664.6 | 4278753 | 8.90E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 83 | ALL | 667764.6 | 4278753 | 1.27E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 84 | ALL | 667864.6 | 4278753 | 1.90E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.90E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 85 | ALL | 667964.6 | 4278753 | 3.16E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 86 | ALL | 668064.6 | 4278753 | 6.45E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.45E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 87 | ALL | 668364.6 | 4278753 | 1.82E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.82E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 88 | ALL | 668464.6 | 4278753 | 2.52E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 89 | ALL | 668564.6 | 4278753 | 1.29E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.29E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 90 | ALL | 667264.6 | 4278853 | 3.94E-09 | 3YrCancerDerived_Inh_FAH16to70 | 3.94E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 91 | ALL | 667364.6 | 4278853 | 4.78E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.78E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 92 | ALL | 667464.6 | 4278853 | 5.96E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.96E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 93 | ALL | 667564.6 | 4278853 | 7.52E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.52E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 94 | ALL | 667664.6 | 4278853 | 1.04E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 95 | ALL | 667764.6 | 4278853 | 1.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 96 | ALL | 667864.6 | 4278853 | 2.33E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 97 | ALL | 668364.6 | 4278853 | 1.46E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | ALL | 668464.6 | 4278853 | 3.39E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.39E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 99 | ALL | 668564.6 | 4278853 | 1.53E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 100 | ALL | 668664.6 | 4278853 | 8.09E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 101 | ALL | 667264.6 | 4278953 | 4.50E-09 | 3YrCancerDerived_Inh_FAH16to70 | 4.50E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 102 | ALL | 667364.6 | 4278953 | 5.48E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.48E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 103 | ALL | 667464.6 | 4278953 | 6.88E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.88E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 104 | ALL | 667564.6 | 4278953 | 8.75E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.75E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 105 | ALL | 667664.6 | 4278953 | 1.22E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.22E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 106 | ALL | 668264.6 | 4278953 | 1.68E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.68E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 107 | ALL | 668664.6 | 4278953 | 8.55E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.55E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 108 | ALL | 668764.6 | 4278953 | 4.99E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.99E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 109 | ALL | 668864.6 | 4278953 | 3.19E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 110 | ALL | 669064.6 | 4278953 | 1.55E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.55E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 111 | ALL | 669164.6 | 4278953 | 1.10E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.10E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 112 | ALL | 669264.6 | 4278953 | 8.14E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.14E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 113 | ALL | 667264.6 | 4279053 | 5.01E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.01E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 114 | ALL | 667364.6 | 4279053 | 6.22E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.22E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 115 | ALL | 667464.6 | 4279053 | 7.87E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.87E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 116 | ALL | 667564.6 | 4279053 | 1.02E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 117 | ALL | 668264.6 | 4279053 | 2.73E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.73E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 118 | ALL | 668664.6 | 4279053 | 8.73E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.73E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 119 | ALL | 668764.6 | 4279053 | 5.08E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.08E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 120 | ALL | 668864.6 | 4279053 | 3.22E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.22E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 121 | ALL | 668964.6 | 4279053 | 2.16E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 122 | ALL | 669064.6 | 4279053 | 1.47E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.47E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 123 | ALL | 669164.6 | 4279053 | 1.03E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.03E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 124 | ALL | 667264.6 | 4279153 | 5.38E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.38E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 125 | ALL | 667364.6 | 4279153 | 6.90E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 126 | ALL | 667464.6 | 4279153 | 8.80E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.80E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 127 | ALL | 667564.6 | 4279153 | 1.17E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.17E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 128 | ALL | 668164.6 | 4279153 | 1.27E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.27E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 129 | ALL | 668264.6 | 4279153 | 2.79E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.79E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 130 | ALL | 668664.6 | 4279153 | 8.75E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 131 | ALL | 668764.6 | 4279153 | 5.19E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 132 | ALL | 668864.6 | 4279153 | 3.32E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.32E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 133 | ALL | 668964.6 | 4279153 | 2.22E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.22E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 134 | ALL | 669064.6 | 4279153 | 1.46E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 135 | ALL | 667264.6 | 4279253 | 5.93E-09 | 3YrCancerDerived_Inh_FAH16to70 | 5.93E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 136 | ALL | 667364.6 | 4279253 | 7.54E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.54E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 137 | ALL | 667464.6 | 4279253 | 9.64E-09 | 3YrCancerDerived_Inh_FAH16to70 | 9.64E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 138 | ALL | 668064.6 | 4279253 | 2.03E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 139 | ALL | 668264.6 | 4279253 | 2.23E-06 | 3YrCancerDerived_Inh_FAH16to70 | 2.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 140 | ALL | 668664.6 | 4279253 | 8.84E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.84E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 141 | ALL | 668764.6 | 4279253 | 5.39E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.39E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 142 | ALL | 668864.6 | 4279253 | 3.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 143 | ALL | 668964.6 | 4279253 | 2.31E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.31E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 144 | ALL | 667264.6 | 4279353 | 6.54E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.54E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 145 | ALL | 667364.6 | 4279353 | 8.12E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.12E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 146 | ALL | 668164.6 | 4279353 | 3.65E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | ALL | 668264.6 | 4279353 | 7.84E-07 | 3YrCancerDerived_Inh_FAH16to70 | 7.84E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 148 | ALL | 668664.6 | 4279353 | 8.91E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.91E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 149 | ALL | 668764.6 | 4279353 | 5.60E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 150 | ALL | 668864.6 | 4279353 | 3.69E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.69E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 151 | ALL | 668964.6 | 4279353 | 2.41E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 152 | ALL | 667264.6 | 4279453 | 6.90E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 153 | ALL | 667364.6 | 4279453 | 8.44E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.44E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 154 | ALL | 667864.6 | 4279453 | 4.58E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.58E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 155 | ALL | 667964.6 | 4279453 | 7.67E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.67E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 156 | ALL | 668064.6 | 4279453 | 1.42E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.42E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 157 | ALL | 668164.6 | 4279453 | 2.10E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 158 | ALL | 668264.6 | 4279453 | 2.71E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.71E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 159 | ALL | 668564.6 | 4279453 | 1.33E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 160 | ALL | 668664.6 | 4279453 | 8.54E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 161 | ALL | 668764.6 | 4279453 | 5.65E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 162 | ALL | 668864.6 | 4279453 | 3.82E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 163 | ALL | 667264.6 | 4279553 | 7.06E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.06E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 164 | ALL | 667764.6 | 4279553 | 2.87E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 165 | ALL | 667864.6 | 4279553 | 4.21E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 166 | ALL | 667964.6 | 4279553 | 6.21E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 167 | ALL | 668064.6 | 4279553 | 1.24E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.24E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 168 | ALL | 668164.6 | 4279553 | 1.26E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.26E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 169 | ALL | 668264.6 | 4279553 | 1.36E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.36E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 170 | ALL | 668364.6 | 4279553 | 1.53E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 171 | ALL | 668464.6 | 4279553 | 1.40E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.40E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 172 | ALL | 668564.6 | 4279553 | 1.06E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.06E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 173 | ALL | 668664.6 | 4279553 | 7.59E-08 | 3YrCancerDerived_Inh_FAH16to70 | 7.59E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 174 | ALL | 668764.6 | 4279553 | 5.39E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.39E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 175 | ALL | 667264.6 | 4279653 | 7.09E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.09E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 176 | ALL | 667564.6 | 4279653 | 1.47E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.47E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 177 | ALL | 667664.6 | 4279653 | 1.91E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.91E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 178 | ALL | 667764.6 | 4279653 | 2.63E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 179 | ALL | 667864.6 | 4279653 | 3.72E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.72E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 180 | ALL | 667964.6 | 4279653 | 5.49E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.49E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 181 | ALL | 668064.6 | 4279653 | 1.12E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 182 | ALL | 668164.6 | 4279653 | 8.05E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.05E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 183 | ALL | 668264.6 | 4279653 | 8.18E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.18E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 184 | ALL | 668364.6 | 4279653 | 9.15E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 185 | ALL | 668464.6 | 4279653 | 9.35E-08 | 3YrCancerDerived_Inh_FAH16to70 | 9.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 186 | ALL | 668564.6 | 4279653 | 8.07E-08 | 3YrCancerDerived_Inh_FAH16to70 | 8.07E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 187 | ALL | 668664.6 | 4279653 | 6.36E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 188 | ALL | 668764.6 | 4279653 | 4.87E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 189 | ALL | 667564.6 | 4279753 | 1.41E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 190 | ALL | 667664.6 | 4279753 | 1.70E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 191 | ALL | 667764.6 | 4279753 | 2.24E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 192 | ALL | 667864.6 | 4279753 | 3.35E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 193 | ALL | 667964.6 | 4279753 | 5.12E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.12E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 194 | ALL | 668064.6 | 4279753 | 6.72E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.72E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 195 | ALL | 668164.6 | 4279753 | 5.48E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.48E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | ALL | 668264.6 | 4279753 | 5.46E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 197 | ALL | 668364.6 | 4279753 | 6.03E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.03E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 198 | ALL | 668464.6 | 4279753 | 6.43E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.43E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 199 | ALL | 668564.6 | 4279753 | 6.04E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 200 | ALL | 668664.6 | 4279753 | 5.16E-08 | 3YrCancerDerived_Inh_FAH16to70 | 5.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 201 | ALL | 667864.6 | 4279853 | 3.00E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 202 | ALL | 667964.6 | 4279853 | 6.11E-08 | 3YrCancerDerived_Inh_FAH16to70 | 6.11E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 203 | ALL | 668064.6 | 4279853 | 4.43E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.43E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 204 | ALL | 668164.6 | 4279853 | 3.93E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 205 | ALL | 668264.6 | 4279853 | 3.90E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.90E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 206 | ALL | 668364.6 | 4279853 | 4.24E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 207 | ALL | 668464.6 | 4279853 | 4.59E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.59E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 208 | ALL | 668564.6 | 4279853 | 4.54E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 209 | ALL | 668664.6 | 4279853 | 4.06E-08 | 3YrCancerDerived_Inh_FAH16to70 | 4.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 210 | ALL | 668764.6 | 4279853 | 3.48E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.48E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 211 | ALL | 667264.6 | 4279953 | 6.55E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.55E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 212 | ALL | 668064.6 | 4279953 | 3.18E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.18E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 213 | ALL | 668164.6 | 4279953 | 2.93E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 214 | ALL | 668264.6 | 4279953 | 2.92E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 215 | ALL | 668364.6 | 4279953 | 3.14E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.14E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 216 | ALL | 668464.6 | 4279953 | 3.40E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 217 | ALL | 668564.6 | 4279953 | 3.46E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 218 | ALL | 668664.6 | 4279953 | 3.19E-08 | 3YrCancerDerived_Inh_FAH16to70 | 3.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 219 | ALL | 668764.6 | 4279953 | 2.86E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 220 | ALL | 667264.6 | 4280053 | 6.83E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.83E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 221 | ALL | 667364.6 | 4280053 | 8.73E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.73E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 222 | ALL | 667464.6 | 4280053 | 1.04E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 223 | ALL | 668164.6 | 4280053 | 2.26E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.26E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 224 | ALL | 668264.6 | 4280053 | 2.27E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 225 | ALL | 668364.6 | 4280053 | 2.41E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 226 | ALL | 668464.6 | 4280053 | 2.59E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.59E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 227 | ALL | 668564.6 | 4280053 | 2.63E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 228 | ALL | 668664.6 | 4280053 | 2.54E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 229 | ALL | 668764.6 | 4280053 | 2.37E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 230 | ALL | 667264.6 | 4280153 | 7.07E-09 | 3YrCancerDerived_Inh_FAH16to70 | 7.07E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 231 | ALL | 667364.6 | 4280153 | 8.36E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.36E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 232 | ALL | 667464.6 | 4280153 | 9.97E-09 | 3YrCancerDerived_Inh_FAH16to70 | 9.97E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 233 | ALL | 667564.6 | 4280153 | 1.23E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.23E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 234 | ALL | 667664.6 | 4280153 | 1.51E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.51E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 235 | ALL | 667864.6 | 4280153 | 1.86E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 236 | ALL | 667964.6 | 4280153 | 1.89E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.89E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 237 | ALL | 668364.6 | 4280153 | 1.90E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.90E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 238 | ALL | 668464.6 | 4280153 | 2.01E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.01E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 239 | ALL | 668564.6 | 4280153 | 2.04E-08 | 3YrCancerDerived_Inh_FAH16to70 | 2.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 240 | ALL | 668764.6 | 4280153 | 1.99E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.99E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 241 | ALL | 667264.6 | 4280253 | 6.98E-09 | 3YrCancerDerived_Inh_FAH16to70 | 6.98E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 242 | ALL | 667364.6 | 4280253 | 8.05E-09 | 3YrCancerDerived_Inh_FAH16to70 | 8.05E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 243 | ALL | 667464.6 | 4280253 | 9.47E-09 | 3YrCancerDerived_Inh_FAH16to70 | 9.47E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 244 | ALL | 667564.6 | 4280253 | 1.15E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245 | ALL | 667664.6 | 4280253 | 1.35E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 246 | ALL | 667864.6 | 4280253 | 1.56E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.56E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 247 | ALL | 667964.6 | 4280253 | 1.55E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.55E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 248 | ALL | 668064.6 | 4280253 | 1.50E-08 | 3YrCancerDerived_Inh_FAH16to70 | 1.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 249 | ALL | 668366.6 | 4278951 | 1.35E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.35E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 250 | ALL | 668466.6 | 4278951 | 3.81E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 251 | ALL | 668566.6 | 4278951 | 1.63E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 252 | ALL | 668366.6 | 4279051 | 1.46E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 253 | ALL | 668466.6 | 4279051 | 3.81E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 254 | ALL | 668566.6 | 4279051 | 1.66E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.66E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 255 | ALL | 668366.6 | 4279151 | 1.40E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.40E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 256 | ALL | 668466.6 | 4279151 | 3.67E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 257 | ALL | 668566.6 | 4279151 | 1.62E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.62E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 258 | ALL | 668366.6 | 4279251 | 1.13E-06 | 3YrCancerDerived_Inh_FAH16to70 | 1.13E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 259 | ALL | 668466.6 | 4279251 | 3.37E-07 | 3YrCancerDerived_Inh_FAH16to70 | 3.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 260 | ALL | 668566.6 | 4279251 | 1.58E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.58E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 261 | ALL | 668366.6 | 4279351 | 6.68E-07 | 3YrCancerDerived_Inh_FAH16to70 | 6.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 262 | ALL | 668466.6 | 4279351 | 2.85E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.85E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 263 | ALL | 668566.6 | 4279351 | 1.51E-07 | 3YrCancerDerived_Inh_FAH16to70 | 1.51E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 264 | ALL | 668365.5 | 4279451 | 2.97E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.97E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 265 | ALL | 668465.5 | 4279451 | 2.11E-07 | 3YrCancerDerived_Inh_FAH16to70 | 2.11E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| REC | GRP | X | Y | SCENARIO | CV | CNS | IMMUN | KIDNEY | GILV | REPRO/DEVEL | RESP | SKIN | EYE | BONE/TEETH | ENDO | BLOOD | ODOR | GENERAL | MAXHI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-05 |
| 2 | ALL | 667364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 |
| 3 | ALL | 667464.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.62E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.62E-05 |
| 4 | ALL | 667564.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 |
| 5 | ALL | 667664.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.33E-05 |
| 6 | ALL | 667764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.89E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.89E-05 |
| 7 | ALL | 667864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.67E-05 |
| 8 | ALL | 667964.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.82E-05 |
| 9 | ALL | 668364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| 10 | ALL | 668764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-04 |
| 11 | ALL | 668864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-04 |
| 12 | ALL | 669264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.39E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.39E-05 |
| 13 | ALL | 667264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-05 |
| 14 | ALL | 667364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.48E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.48E-05 |
| 15 | ALL | 667464.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.77E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.77E-05 |
| 16 | ALL | 667564.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.13E-05 |
| 17 | ALL | 667664.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.58E-05 |
| 18 | ALL | 667764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-05 |
| 19 | ALL | 667864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 |
| 20 | ALL | 667964.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.70E-05 |
| 21 | ALL | 668064.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.04E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.04E-05 |
| 22 | ALL | 668164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-04 |
| 23 | ALL | 668264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-04 |
| 24 | ALL | 668364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-04 |
| 25 | ALL | 668764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-04 |
| 26 | ALL | 668864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.34E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.34E-04 |
| 27 | ALL | 669164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.71E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.71E-05 |
| 28 | ALL | 669264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.46E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.46E-05 |
| 29 | ALL | 667264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-05 |
| 30 | ALL | 667364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-05 |
| 31 | ALL | 667464.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 |
| 32 | ALL | 667564.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.35E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.35E-05 |
| 33 | ALL | 667664.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.84E-05 |
| 34 | ALL | 667764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.65E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.65E-05 |
| 35 | ALL | 667864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.80E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.80E-05 |
| 36 | ALL | 667964.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.94E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.94E-05 |
| 37 | ALL | 668064.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.03E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.03E-04 |
| 38 | ALL | 668164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-04 |
| 39 | ALL | 668264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-04 |
| 40 | ALL | 668364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.61E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.61E-04 |
| 41 | ALL | 668764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-04 |
| 42 | ALL | 668864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-04 |
| 43 | ALL | 669164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.84E-05 |
| 44 | ALL | 669264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.44E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.44E-05 |
| 45 | ALL | 667264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-05 |
| 46 | ALL | 667364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.71E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.71E-05 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | ALL | 667464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.09E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.09E-05 |
| 48 | ALL | 667564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-05 |
| 49 | ALL | 667664.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.23E-05 |
| 50 | ALL | 667764.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.16E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.16E-05 |
| 51 | ALL | 667864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.87E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.87E-05 |
| 52 | ALL | 667964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.55E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.55E-05 |
| 53 | ALL | 668064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.37E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.37E-04 |
| 54 | ALL | 668164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-04 |
| 55 | ALL | 668264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.10E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.10E-04 |
| 56 | ALL | 668364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.09E-04 |
| 57 | ALL | 668464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.78E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.78E-04 |
| 58 | ALL | 668564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.33E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.33E-04 |
| 59 | ALL | 668864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.54E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.54E-04 |
| 60 | ALL | 668964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-04 |
| 61 | ALL | 669064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.78E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.78E-05 |
| 62 | ALL | 669164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.74E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.74E-05 |
| 63 | ALL | 669264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.22E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.22E-05 |
| 64 | ALL | 667264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 |
| 65 | ALL | 667364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-05 |
| 66 | ALL | 667464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.30E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.30E-05 |
| 67 | ALL | 667564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 |
| 68 | ALL | 667664.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-05 |
| 69 | ALL | 667764.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.08E-05 |
| 70 | ALL | 667864.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.18E-05 |
| 71 | ALL | 667964.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| 72 | ALL | 668064.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.90E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.90E-04 |
| 73 | ALL | 668164.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.64E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.64E-04 |
| 74 | ALL | 668264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-03 |
| 75 | ALL | 668364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-03 |
| 76 | ALL | 668464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.63E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.63E-04 |
| 77 | ALL | 668564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.39E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.39E-04 |
| 78 | ALL | 667264.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-05 |
| 79 | ALL | 667364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-05 |
| 80 | ALL | 667464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.54E-05 |
| 81 | ALL | 667564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.21E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.21E-05 |
| 82 | ALL | 667664.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.29E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.29E-05 |
| 83 | ALL | 667764.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.02E-05 |
| 84 | ALL | 667864.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.82E-05 |
| 85 | ALL | 667964.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-04 |
| 86 | ALL | 668064.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-04 |
| 87 | ALL | 668364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-03 |
| 88 | ALL | 668464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-03 |
| 89 | ALL | 668564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.40E-04 |
| 90 | ALL | 667264.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-05 |
| 91 | ALL | 667364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-05 |
| 92 | ALL | 667464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.89E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.89E-05 |
| 93 | ALL | 667564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.65E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.65E-05 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | ALL | 667664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.00E-05 |
| 95 | ALL | 667764.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.11E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.11E-05 |
| 96 | ALL | 667864.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| 97 | ALL | 668364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.70E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.70E-03 |
| 98 | ALL | 668464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-03 |
| 99 | ALL | 668564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.46E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.46E-04 |
| 100 | ALL | 668664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.04E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.04E-04 |
| 101 | ALL | 667264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.20E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.20E-05 |
| 102 | ALL | 667364.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-05 |
| 103 | ALL | 667464.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-05 |
| 104 | ALL | 667564.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.26E-05 |
| 105 | ALL | 667664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.88E-05 |
| 106 | ALL | 668264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.03E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.03E-03 |
| 107 | ALL | 668664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.21E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.21E-04 |
| 108 | ALL | 668764.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.48E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.48E-04 |
| 109 | ALL | 668864.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.60E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.60E-04 |
| 110 | ALL | 669064.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.84E-05 |
| 111 | ALL | 669164.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-05 |
| 112 | ALL | 669264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.13E-05 |
| 113 | ALL | 667264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.47E-05 |
| 114 | ALL | 667364.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.06E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.06E-05 |
| 115 | ALL | 667464.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.86E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.86E-05 |
| 116 | ALL | 667564.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.02E-05 |
| 117 | ALL | 668264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-02 |
| 118 | ALL | 668664.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.31E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.31E-04 |
| 119 | ALL | 668764.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-04 |
| 120 | ALL | 668864.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-04 |
| 121 | ALL | 668964.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-04 |
| 122 | ALL | 669064.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.32E-05 |
| 123 | ALL | 669164.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.13E-05 |
| 124 | ALL | 667264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-05 |
| 125 | ALL | 667364.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.42E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.42E-05 |
| 126 | ALL | 667464.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.37E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.37E-05 |
| 127 | ALL | 667564.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.80E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.80E-05 |
| 128 | ALL | 668164.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.95E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.95E-03 |
| 129 | ALL | 668264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-02 |
| 130 | ALL | 668664.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.39E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.39E-04 |
| 131 | ALL | 668764.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.56E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.56E-04 |
| 132 | ALL | 668864.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-04 |
| 133 | ALL | 668964.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| 134 | ALL | 669064.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.18E-05 |
| 135 | ALL | 667264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.96E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.96E-05 |
| 136 | ALL | 667364.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.77E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.77E-05 |
| 137 | ALL | 667464.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.83E-05 |
| 138 | ALL | 668064.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-03 |
| 139 | ALL | 668264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-02 |
| 140 | ALL | 668664.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.54E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.54E-04 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | ALL | 668764.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-04 |
| 142 | ALL | 668864.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.73E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.73E-04 |
| 143 | ALL | 668964.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-04 |
| 144 | ALL | 667264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.29E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.29E-05 |
| 145 | ALL | 667364.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-05 |
| 146 | ALL | 668164.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-03 |
| 147 | ALL | 668264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.37E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.37E-03 |
| 148 | ALL | 668664.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.66E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.66E-04 |
| 149 | ALL | 668764.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.87E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.87E-04 |
| 150 | ALL | 668864.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.86E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.86E-04 |
| 151 | ALL | 668964.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-04 |
| 152 | ALL | 667264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.49E-05 |
| 153 | ALL | 667364.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.28E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.28E-05 |
| 154 | ALL | 667864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-04 |
| 155 | ALL | 667964.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.99E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.99E-04 |
| 156 | ALL | 668064.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.96E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.96E-04 |
| 157 | ALL | 668164.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-03 |
| 158 | ALL | 668264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.49E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.49E-03 |
| 159 | ALL | 668564.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.17E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.17E-04 |
| 160 | ALL | 668664.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.53E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.53E-04 |
| 161 | ALL | 668764.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.95E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.95E-04 |
| 162 | ALL | 668864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.96E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.96E-04 |
| 163 | ALL | 667264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.58E-05 |
| 164 | ALL | 667764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-04 |
| 165 | ALL | 667864.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.18E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.18E-04 |
| 166 | ALL | 667964.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.21E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.21E-04 |
| 167 | ALL | 668064.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.15E-04 |
| 168 | ALL | 668164.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.47E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.47E-04 |
| 169 | ALL | 668264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.35E-04 |
| 170 | ALL | 668364.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.34E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.34E-04 |
| 171 | ALL | 668464.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.65E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.65E-04 |
| 172 | ALL | 668564.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.73E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.73E-04 |
| 173 | ALL | 668664.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.05E-04 |
| 174 | ALL | 668764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.84E-04 |
| 175 | ALL | 667264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.60E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.60E-05 |
| 176 | ALL | 667564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.49E-05 |
| 177 | ALL | 667664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.74E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.74E-05 |
| 178 | ALL | 667764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-04 |
| 179 | ALL | 667864.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-04 |
| 180 | ALL | 667964.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-04 |
| 181 | ALL | 668064.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.84E-04 |
| 182 | ALL | 668164.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.07E-04 |
| 183 | ALL | 668264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.35E-04 |
| 184 | ALL | 668364.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.94E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.94E-04 |
| 185 | ALL | 668464.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-04 |
| 186 | ALL | 668564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.36E-04 |
| 187 | ALL | 668664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.40E-04 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | ALL | 668764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.58E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.58E-04 |
| 189 | ALL | 667564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.19E-05 |
| 190 | ALL | 667664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.68E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.68E-05 |
| 191 | ALL | 667764.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-04 |
| 192 | ALL | 667864.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-04 |
| 193 | ALL | 667964.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.33E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.33E-04 |
| 194 | ALL | 668064.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-04 |
| 195 | ALL | 668164.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-04 |
| 196 | ALL | 668264.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-04 |
| 197 | ALL | 668364.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.22E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.22E-04 |
| 198 | ALL | 668464.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-04 |
| 199 | ALL | 668564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.25E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.25E-04 |
| 200 | ALL | 668664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-04 |
| 201 | ALL | 667864.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 |
| 202 | ALL | 667964.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.98E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.98E-04 |
| 203 | ALL | 668064.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 |
| 204 | ALL | 668164.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.97E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.97E-04 |
| 205 | ALL | 668264.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-04 |
| 206 | ALL | 668364.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.25E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.25E-04 |
| 207 | ALL | 668464.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.46E-04 |
| 208 | ALL | 668564.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.43E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.43E-04 |
| 209 | ALL | 668664.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.17E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.17E-04 |
| 210 | ALL | 668764.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-04 |
| 211 | ALL | 667264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.33E-05 |
| 212 | ALL | 668064.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E-04 |
| 213 | ALL | 668164.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-04 |
| 214 | ALL | 668264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 |
| 215 | ALL | 668364.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| 216 | ALL | 668464.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-04 |
| 217 | ALL | 668564.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-04 |
| 218 | ALL | 668664.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-04 |
| 219 | ALL | 668764.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-04 |
| 220 | ALL | 667264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-05 |
| 221 | ALL | 667364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.43E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.43E-05 |
| 222 | ALL | 667464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-05 |
| 223 | ALL | 668164.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.14E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.14E-04 |
| 224 | ALL | 668264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-04 |
| 225 | ALL | 668364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-04 |
| 226 | ALL | 668464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-04 |
| 227 | ALL | 668564.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.39E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.39E-04 |
| 228 | ALL | 668664.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.34E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.34E-04 |
| 229 | ALL | 668764.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-04 |
| 230 | ALL | 667264.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.58E-05 |
| 231 | ALL | 667364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.24E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.24E-05 |
| 232 | ALL | 667464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.08E-05 |
| 233 | ALL | 667564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.30E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.30E-05 |
| 234 | ALL | 667664.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.75E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.75E-05 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 235 | ALL | 667864.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.49E-05 |
| 236 | ALL | 667964.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.65E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.65E-05 |
| 237 | ALL | 668364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.85E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.85E-05 |
| 238 | ALL | 668464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-04 |
| 239 | ALL | 668564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-04 |
| 240 | ALL | 668764.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-04 |
| 241 | ALL | 667264.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.54E-05 |
| 242 | ALL | 667364.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-05 |
| 243 | ALL | 667464.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.84E-05 |
| 244 | ALL | 667564.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.92E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.92E-05 |
| 245 | ALL | 667664.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.96E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.96E-05 |
| 246 | ALL | 667864.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.03E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.03E-05 |
| 247 | ALL | 667964.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.00E-05 |
| 248 | ALL | 668064.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-05 |
| 249 | ALL | 668366.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.23E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.23E-03 |
| 250 | ALL | 668466.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.88E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.88E-03 |
| 251 | ALL | 668566.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.95E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.95E-04 |
| 252 | ALL | 668366.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.07E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.07E-03 |
| 253 | ALL | 668466.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.98E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.98E-03 |
| 254 | ALL | 668566.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.31E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.31E-04 |
| 255 | ALL | 668366.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.81E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.81E-03 |
| 256 | ALL | 668466.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.97E-03 |
| 257 | ALL | 668566.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.36E-04 |
| 258 | ALL | 668366.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.28E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.28E-03 |
| 259 | ALL | 668466.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-03 |
| 260 | ALL | 668566.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.33E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.33E-04 |
| 261 | ALL | 668366.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-03 |
| 262 | ALL | 668466.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-03 |
| 263 | ALL | 668566.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.06E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.06E-04 |
| 264 | ALL | 668365.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-03 |
| 265 | ALL | 668465.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-03 |

| REC | GRP | X | Y | SCENARIO | CV | CNS | IMMUN | KIDNEY | GILV | REPRO/DEVEL | RESP | SKIN | EYE | BONE/TEETH | ENDO | BLOOD | ODOR | GENERAL | MAXHI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-06 |
| 2 | ALL | 667364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-06 |
| 3 | ALL | 667464.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-06 |
| 4 | ALL | 667564.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.06E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.06E-06 |
| 5 | ALL | 667664.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.51E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.51E-06 |
| 6 | ALL | 667764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.14E-06 |
| 7 | ALL | 667864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.01E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.01E-06 |
| 8 | ALL | 667964.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-06 |
| 9 | ALL | 668364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-05 |
| 10 | ALL | 668764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-05 |
| 11 | ALL | 668864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.31E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.31E-05 |
| 12 | ALL | 669264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.59E-06 |
| 13 | ALL | 667264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-06 |
| 14 | ALL | 667364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-06 |
| 15 | ALL | 667464.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.87E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.87E-06 |
| 16 | ALL | 667564.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.26E-06 |
| 17 | ALL | 667664.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.74E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.74E-06 |
| 18 | ALL | 667764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.55E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.55E-06 |
| 19 | ALL | 667864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.63E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.63E-06 |
| 20 | ALL | 667964.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.29E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.29E-06 |
| 21 | ALL | 668064.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.22E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.22E-06 |
| 22 | ALL | 668164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-05 |
| 23 | ALL | 668264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-05 |
| 24 | ALL | 668364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.01E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.01E-05 |
| 25 | ALL | 668764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.86E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.86E-05 |
| 26 | ALL | 668864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-05 |
| 27 | ALL | 669164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.97E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.97E-06 |
| 28 | ALL | 669264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.62E-06 |
| 29 | ALL | 667264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-06 |
| 30 | ALL | 667364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-06 |
| 31 | ALL | 667464.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.04E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.04E-06 |
| 32 | ALL | 667564.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.48E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.48E-06 |
| 33 | ALL | 667664.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.99E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.99E-06 |
| 34 | ALL | 667764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.89E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.89E-06 |
| 35 | ALL | 667864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.21E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.21E-06 |
| 36 | ALL | 667964.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.84E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.84E-06 |
| 37 | ALL | 668064.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-05 |
| 38 | ALL | 668164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.10E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.10E-05 |
| 39 | ALL | 668264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.75E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.75E-05 |
| 40 | ALL | 668364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.83E-05 |
| 41 | ALL | 668764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-05 |
| 42 | ALL | 668864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 |
| 43 | ALL | 669164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.04E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.04E-06 |
| 44 | ALL | 669264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-06 |
| 45 | ALL | 667264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-06 |
| 46 | ALL | 667364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-06 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | ALL | 667464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.26E-06 |
| 48 | ALL | 667564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.78E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.78E-06 |
| 49 | ALL | 667664.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.43E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.43E-06 |
| 50 | ALL | 667764.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.44E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.44E-06 |
| 51 | ALL | 667864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.45E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.45E-06 |
| 52 | ALL | 667964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.79E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.79E-06 |
| 53 | ALL | 668064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-05 |
| 54 | ALL | 668164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.73E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.73E-05 |
| 55 | ALL | 668264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.18E-05 |
| 56 | ALL | 668364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.62E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.62E-05 |
| 57 | ALL | 668464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.14E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.14E-05 |
| 58 | ALL | 668564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.88E-05 |
| 59 | ALL | 668864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-05 |
| 60 | ALL | 668964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-05 |
| 61 | ALL | 669064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.00E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.00E-06 |
| 62 | ALL | 669164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.86E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.86E-06 |
| 63 | ALL | 669264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-06 |
| 64 | ALL | 667264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-06 |
| 65 | ALL | 667364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-06 |
| 66 | ALL | 667464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-06 |
| 67 | ALL | 667564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.11E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.11E-06 |
| 68 | ALL | 667664.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-06 |
| 69 | ALL | 667764.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.55E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.55E-06 |
| 70 | ALL | 667864.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.05E-06 |
| 71 | ALL | 667964.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-05 |
| 72 | ALL | 668064.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.44E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.44E-05 |
| 73 | ALL | 668164.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-04 |
| 74 | ALL | 668264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.31E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.31E-04 |
| 75 | ALL | 668364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.91E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.91E-04 |
| 76 | ALL | 668464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-04 |
| 77 | ALL | 668564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.91E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.91E-05 |
| 78 | ALL | 667264.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-06 |
| 79 | ALL | 667364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-06 |
| 80 | ALL | 667464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-06 |
| 81 | ALL | 667564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-06 |
| 82 | ALL | 667664.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.67E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.67E-06 |
| 83 | ALL | 667764.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.65E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.65E-06 |
| 84 | ALL | 667864.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.99E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.99E-06 |
| 85 | ALL | 667964.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E-05 |
| 86 | ALL | 668064.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.39E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.39E-05 |
| 87 | ALL | 668364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.53E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.53E-04 |
| 88 | ALL | 668464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-04 |
| 89 | ALL | 668564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.77E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.77E-05 |
| 90 | ALL | 667264.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-06 |
| 91 | ALL | 667364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.51E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.51E-06 |
| 92 | ALL | 667464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.13E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.13E-06 |
| 93 | ALL | 667564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.95E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.95E-06 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | ALL | 667664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.47E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.47E-06 |
| 95 | ALL | 667764.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.89E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.89E-06 |
| 96 | ALL | 667864.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.22E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.22E-05 |
| 97 | ALL | 668364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.69E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.69E-04 |
| 98 | ALL | 668464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-04 |
| 99 | ALL | 668564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.01E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.01E-05 |
| 100 | ALL | 668664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.25E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.25E-05 |
| 101 | ALL | 667264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-06 |
| 102 | ALL | 667364.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-06 |
| 103 | ALL | 667464.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.61E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.61E-06 |
| 104 | ALL | 667564.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.59E-06 |
| 105 | ALL | 667664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.39E-06 |
| 106 | ALL | 668264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.84E-04 |
| 107 | ALL | 668664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.49E-05 |
| 108 | ALL | 668764.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.62E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.62E-05 |
| 109 | ALL | 668864.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-05 |
| 110 | ALL | 669064.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.12E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.12E-06 |
| 111 | ALL | 669164.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.76E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.76E-06 |
| 112 | ALL | 669264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.27E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.27E-06 |
| 113 | ALL | 667264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-06 |
| 114 | ALL | 667364.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-06 |
| 115 | ALL | 667464.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.13E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.13E-06 |
| 116 | ALL | 667564.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.36E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.36E-06 |
| 117 | ALL | 668264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-03 |
| 118 | ALL | 668664.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.58E-05 |
| 119 | ALL | 668764.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-05 |
| 120 | ALL | 668864.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.69E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.69E-05 |
| 121 | ALL | 668964.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-05 |
| 122 | ALL | 669064.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.71E-06 |
| 123 | ALL | 669164.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.40E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.40E-06 |
| 124 | ALL | 667264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-06 |
| 125 | ALL | 667364.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.62E-06 |
| 126 | ALL | 667464.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.62E-06 |
| 127 | ALL | 667564.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.14E-06 |
| 128 | ALL | 668164.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.67E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.67E-04 |
| 129 | ALL | 668264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-03 |
| 130 | ALL | 668664.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.59E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.59E-05 |
| 131 | ALL | 668764.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-05 |
| 132 | ALL | 668864.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.74E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.74E-05 |
| 133 | ALL | 668964.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.17E-05 |
| 134 | ALL | 669064.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.68E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.68E-06 |
| 135 | ALL | 667264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.11E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.11E-06 |
| 136 | ALL | 667364.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.96E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.96E-06 |
| 137 | ALL | 667464.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.06E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.06E-06 |
| 138 | ALL | 668064.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-04 |
| 139 | ALL | 668264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.17E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.17E-03 |
| 140 | ALL | 668664.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.64E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.64E-05 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | ALL | 668764.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-05 |
| 142 | ALL | 668864.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-05 |
| 143 | ALL | 668964.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-05 |
| 144 | ALL | 667264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.43E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.43E-06 |
| 145 | ALL | 667364.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.26E-06 |
| 146 | ALL | 668164.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-04 |
| 147 | ALL | 668264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.12E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.12E-04 |
| 148 | ALL | 668664.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.67E-05 |
| 149 | ALL | 668764.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.94E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.94E-05 |
| 150 | ALL | 668864.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.94E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.94E-05 |
| 151 | ALL | 668964.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-05 |
| 152 | ALL | 667264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.62E-06 |
| 153 | ALL | 667364.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.43E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.43E-06 |
| 154 | ALL | 667864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.40E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.40E-05 |
| 155 | ALL | 667964.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.03E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.03E-05 |
| 156 | ALL | 668064.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.46E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.46E-05 |
| 157 | ALL | 668164.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-04 |
| 158 | ALL | 668264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-04 |
| 159 | ALL | 668564.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.98E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.98E-05 |
| 160 | ALL | 668664.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.48E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.48E-05 |
| 161 | ALL | 668764.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-05 |
| 162 | ALL | 668864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-05 |
| 163 | ALL | 667264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.70E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.70E-06 |
| 164 | ALL | 667764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E-05 |
| 165 | ALL | 667864.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.21E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.21E-05 |
| 166 | ALL | 667964.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-05 |
| 167 | ALL | 668064.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.50E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.50E-05 |
| 168 | ALL | 668164.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.61E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.61E-05 |
| 169 | ALL | 668264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.15E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.15E-05 |
| 170 | ALL | 668364.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.01E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.01E-05 |
| 171 | ALL | 668464.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.35E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.35E-05 |
| 172 | ALL | 668564.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.56E-05 |
| 173 | ALL | 668664.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.99E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.99E-05 |
| 174 | ALL | 668764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.83E-05 |
| 175 | ALL | 667264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.72E-06 |
| 176 | ALL | 667564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.71E-06 |
| 177 | ALL | 667664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.00E-05 |
| 178 | ALL | 667764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 |
| 179 | ALL | 667864.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-05 |
| 180 | ALL | 667964.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 |
| 181 | ALL | 668064.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.86E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.86E-05 |
| 182 | ALL | 668164.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 |
| 183 | ALL | 668264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.30E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.30E-05 |
| 184 | ALL | 668364.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.80E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.80E-05 |
| 185 | ALL | 668464.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.91E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.91E-05 |
| 186 | ALL | 668564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-05 |
| 187 | ALL | 668664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.34E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.34E-05 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | ALL | 668764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.56E-05 |
| 189 | ALL | 667564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.41E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.41E-06 |
| 190 | ALL | 667664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.93E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.93E-06 |
| 191 | ALL | 667764.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-05 |
| 192 | ALL | 667864.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-05 |
| 193 | ALL | 667964.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.69E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.69E-05 |
| 194 | ALL | 668064.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.52E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.52E-05 |
| 195 | ALL | 668164.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.88E-05 |
| 196 | ALL | 668264.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-05 |
| 197 | ALL | 668364.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.16E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.16E-05 |
| 198 | ALL | 668464.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.38E-05 |
| 199 | ALL | 668564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.17E-05 |
| 200 | ALL | 668664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-05 |
| 201 | ALL | 667864.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-05 |
| 202 | ALL | 667964.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.20E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.20E-05 |
| 203 | ALL | 668064.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-05 |
| 204 | ALL | 668164.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.06E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.06E-05 |
| 205 | ALL | 668264.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-05 |
| 206 | ALL | 668364.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-05 |
| 207 | ALL | 668464.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.41E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.41E-05 |
| 208 | ALL | 668564.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.38E-05 |
| 209 | ALL | 668664.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.13E-05 |
| 210 | ALL | 668764.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.83E-05 |
| 211 | ALL | 667264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.44E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.44E-06 |
| 212 | ALL | 668064.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E-05 |
| 213 | ALL | 668164.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.54E-05 |
| 214 | ALL | 668264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.53E-05 |
| 215 | ALL | 668364.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-05 |
| 216 | ALL | 668464.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-05 |
| 217 | ALL | 668564.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-05 |
| 218 | ALL | 668664.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-05 |
| 219 | ALL | 668764.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-05 |
| 220 | ALL | 667264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.59E-06 |
| 221 | ALL | 667364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.58E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.58E-06 |
| 222 | ALL | 667464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.48E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.48E-06 |
| 223 | ALL | 668164.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-05 |
| 224 | ALL | 668264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-05 |
| 225 | ALL | 668364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-05 |
| 226 | ALL | 668464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-05 |
| 227 | ALL | 668564.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-05 |
| 228 | ALL | 668664.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-05 |
| 229 | ALL | 668764.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-05 |
| 230 | ALL | 667264.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.71E-06 |
| 231 | ALL | 667364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.39E-06 |
| 232 | ALL | 667464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.23E-06 |
| 233 | ALL | 667564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.46E-06 |
| 234 | ALL | 667664.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.92E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.92E-06 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 235 | ALL | 667864.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.77E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.77E-06 |
| 236 | ALL | 667964.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.92E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.92E-06 |
| 237 | ALL | 668364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.96E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.96E-06 |
| 238 | ALL | 668464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-05 |
| 239 | ALL | 668564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.07E-05 |
| 240 | ALL | 668764.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-05 |
| 241 | ALL | 667264.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.66E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.66E-06 |
| 242 | ALL | 667364.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-06 |
| 243 | ALL | 667464.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.97E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.97E-06 |
| 244 | ALL | 667564.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.05E-06 |
| 245 | ALL | 667664.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.10E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.10E-06 |
| 246 | ALL | 667864.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-06 |
| 247 | ALL | 667964.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.15E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.15E-06 |
| 248 | ALL | 668064.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.87E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.87E-06 |
| 249 | ALL | 668366.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.11E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.11E-04 |
| 250 | ALL | 668466.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 |
| 251 | ALL | 668566.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.54E-05 |
| 252 | ALL | 668366.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.67E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.67E-04 |
| 253 | ALL | 668466.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-04 |
| 254 | ALL | 668566.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.70E-05 |
| 255 | ALL | 668366.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.36E-04 |
| 256 | ALL | 668466.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-04 |
| 257 | ALL | 668566.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.52E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.52E-05 |
| 258 | ALL | 668366.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.91E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.91E-04 |
| 259 | ALL | 668466.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.77E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.77E-04 |
| 260 | ALL | 668566.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-05 |
| 261 | ALL | 668366.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.51E-04 |
| 262 | ALL | 668466.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-04 |
| 263 | ALL | 668566.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.90E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.90E-05 |
| 264 | ALL | 668365.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-04 |
| 265 | ALL | 668465.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.11E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.11E-04 |

| REC | GRP | X | Y | RISK_SUM | SCENARIO | INH_RISK | SOIL_RISK | DERMAL_RIS | MMILK_RISK | WATER_RISK | FISH_RISK | CROP_RISK | BEEF_RISK | DAIRY_RISK | PIG_RISK | CHICKEN_RIS | EGG_RISK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | 2.19E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 2 | ALL | 667364.6 | 4278253 | 2.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3 | ALL | 667464.6 | 4278253 | 2.81E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 4 | ALL | 667564.6 | 4278253 | 3.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 5 | ALL | 667664.6 | 4278253 | 4.74E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.74E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 6 | ALL | 667764.6 | 4278253 | 7.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.12E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 7 | ALL | 667864.6 | 4278253 | 1.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 8 | ALL | 667964.6 | 4278253 | 1.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 9 | ALL | 668364.6 | 4278253 | 1.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 10 | ALL | 668764.6 | 4278253 | 1.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 11 | ALL | 668864.6 | 4278253 | 1.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 12 | ALL | 669264.6 | 4278253 | 8.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.77E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 13 | ALL | 667264.6 | 4278353 | 2.33E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 14 | ALL | 667364.6 | 4278353 | 2.64E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.64E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 15 | ALL | 667464.6 | 4278353 | 3.09E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.09E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 16 | ALL | 667564.6 | 4278353 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 17 | ALL | 667664.6 | 4278353 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 18 | ALL | 667764.6 | 4278353 | 6.24E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.24E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 19 | ALL | 667864.6 | 4278353 | 1.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 20 | ALL | 667964.6 | 4278353 | 1.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.82E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 21 | ALL | 668064.6 | 4278353 | 1.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 22 | ALL | 668164.6 | 4278353 | 1.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 23 | ALL | 668264.6 | 4278353 | 1.34E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 24 | ALL | 668364.6 | 4278353 | 1.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.98E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 25 | ALL | 668764.6 | 4278353 | 1.47E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 26 | ALL | 668864.6 | 4278353 | 1.36E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 27 | ALL | 669164.6 | 4278353 | 1.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 28 | ALL | 669264.6 | 4278353 | 7.94E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.94E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 29 | ALL | 667264.6 | 4278453 | 3.03E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.03E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 30 | ALL | 667364.6 | 4278453 | 3.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 31 | ALL | 667464.6 | 4278453 | 3.65E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.65E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 32 | ALL | 667564.6 | 4278453 | 4.25E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.25E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 33 | ALL | 667664.6 | 4278453 | 2.76E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.76E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 34 | ALL | 667764.6 | 4278453 | 4.40E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.40E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 35 | ALL | 667864.6 | 4278453 | 5.47E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.47E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 36 | ALL | 667964.6 | 4278453 | 1.66E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 37 | ALL | 668064.6 | 4278453 | 2.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.16E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 38 | ALL | 668164.6 | 4278453 | 1.91E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 39 | ALL | 668264.6 | 4278453 | 1.80E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 40 | ALL | 668364.6 | 4278453 | 2.87E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.87E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 41 | ALL | 668764.6 | 4278453 | 1.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 42 | ALL | 668864.6 | 4278453 | 1.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 43 | ALL | 669164.6 | 4278453 | 1.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 44 | ALL | 669264.6 | 4278453 | 7.32E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.32E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 45 | ALL | 667264.6 | 4278553 | 4.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 46 | ALL | 667364.6 | 4278553 | 4.48E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.48E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 47 | ALL | 667464.6 | 4278553 | 4.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 48 | ALL | 667564.6 | 4278553 | 4.67E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 49 | ALL | 667664.6 | 4278553 | 3.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.42E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 50 | ALL | 667764.6 | 4278553 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | ALL | 667864.6 | 4278553 | 8.82E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.82E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 52 | ALL | 667964.6 | 4278553 | 1.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 53 | ALL | 668064.6 | 4278553 | 2.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.59E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 54 | ALL | 668164.6 | 4278553 | 2.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 55 | ALL | 668264.6 | 4278553 | 2.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 56 | ALL | 668364.6 | 4278553 | 4.52E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 57 | ALL | 668464.6 | 4278553 | 5.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.41E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 58 | ALL | 668564.6 | 4278553 | 3.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.93E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 59 | ALL | 668864.6 | 4278553 | 1.91E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 60 | ALL | 668964.6 | 4278553 | 1.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 61 | ALL | 669064.6 | 4278553 | 1.28E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 62 | ALL | 669164.6 | 4278553 | 8.68E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.68E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 63 | ALL | 669264.6 | 4278553 | 6.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 64 | ALL | 667264.6 | 4278653 | 5.74E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.74E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 65 | ALL | 667364.6 | 4278653 | 6.31E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 66 | ALL | 667464.6 | 4278653 | 7.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.12E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 67 | ALL | 667564.6 | 4278653 | 6.37E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.37E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 68 | ALL | 667664.6 | 4278653 | 6.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 69 | ALL | 667764.6 | 4278653 | 9.28E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.28E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 70 | ALL | 667864.6 | 4278653 | 1.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 71 | ALL | 667964.6 | 4278653 | 1.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 72 | ALL | 668064.6 | 4278653 | 1.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 73 | ALL | 668164.6 | 4278653 | 3.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.93E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 74 | ALL | 668264.6 | 4278653 | 3.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.71E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 75 | ALL | 668364.6 | 4278653 | 9.01E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.01E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 76 | ALL | 668464.6 | 4278653 | 7.05E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.05E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 77 | ALL | 668564.6 | 4278653 | 5.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 78 | ALL | 667264.6 | 4278753 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 79 | ALL | 667364.6 | 4278753 | 6.24E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.24E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 80 | ALL | 667464.6 | 4278753 | 7.89E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.89E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 81 | ALL | 667564.6 | 4278753 | 8.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 82 | ALL | 667664.6 | 4278753 | 1.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 83 | ALL | 667764.6 | 4278753 | 1.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 84 | ALL | 667864.6 | 4278753 | 1.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 85 | ALL | 667964.6 | 4278753 | 2.05E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 86 | ALL | 668064.6 | 4278753 | 2.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 87 | ALL | 668364.6 | 4278753 | 1.58E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 88 | ALL | 668464.6 | 4278753 | 9.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.16E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 89 | ALL | 668564.6 | 4278753 | 6.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.20E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 90 | ALL | 667264.6 | 4278853 | 4.05E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.05E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 91 | ALL | 667364.6 | 4278853 | 4.90E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.90E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 92 | ALL | 667464.6 | 4278853 | 6.32E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.32E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 93 | ALL | 667564.6 | 4278853 | 6.05E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.05E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 94 | ALL | 667664.6 | 4278853 | 1.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 95 | ALL | 667764.6 | 4278853 | 1.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 96 | ALL | 667864.6 | 4278853 | 2.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 97 | ALL | 668364.6 | 4278853 | 1.90E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 98 | ALL | 668464.6 | 4278853 | 8.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.78E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 99 | ALL | 668564.6 | 4278853 | 5.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.83E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 100 | ALL | 668664.6 | 4278853 | 3.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 101 | ALL | 667264.6 | 4278953 | 4.39E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.39E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102 | ALL | 667364.6 | 4278953 | 5.19E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.19E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 103 | ALL | 667464.6 | 4278953 | 6.18E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.18E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 104 | ALL | 667564.6 | 4278953 | 5.13E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.13E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 105 | ALL | 667664.6 | 4278953 | 1.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 106 | ALL | 668264.6 | 4278953 | 9.64E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.64E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 107 | ALL | 668664.6 | 4278953 | 5.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 108 | ALL | 668764.6 | 4278953 | 3.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.68E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 109 | ALL | 668864.6 | 4278953 | 2.86E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 110 | ALL | 669064.6 | 4278953 | 1.56E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.56E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 111 | ALL | 669164.6 | 4278953 | 9.71E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.71E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 112 | ALL | 669264.6 | 4278953 | 6.28E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.28E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 113 | ALL | 667264.6 | 4279053 | 3.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.72E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 114 | ALL | 667364.6 | 4279053 | 5.48E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.48E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 115 | ALL | 667464.6 | 4279053 | 7.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 116 | ALL | 667564.6 | 4279053 | 7.61E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.61E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 117 | ALL | 668264.6 | 4279053 | 5.16E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 118 | ALL | 668664.6 | 4279053 | 8.42E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.42E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 119 | ALL | 668764.6 | 4279053 | 5.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.20E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 120 | ALL | 668864.6 | 4279053 | 3.67E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.67E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 121 | ALL | 668964.6 | 4279053 | 2.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.43E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 122 | ALL | 669064.6 | 4279053 | 1.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 123 | ALL | 669164.6 | 4279053 | 7.59E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 124 | ALL | 667264.6 | 4279153 | 3.37E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 125 | ALL | 667364.6 | 4279153 | 6.04E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.04E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 126 | ALL | 667464.6 | 4279153 | 8.34E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.34E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 127 | ALL | 667564.6 | 4279153 | 1.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 128 | ALL | 668164.6 | 4279153 | 1.37E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 129 | ALL | 668264.6 | 4279153 | 2.44E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.44E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 130 | ALL | 668664.6 | 4279153 | 1.45E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 131 | ALL | 668764.6 | 4279153 | 7.86E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 132 | ALL | 668864.6 | 4279153 | 4.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.79E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 133 | ALL | 668964.6 | 4279153 | 2.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 134 | ALL | 669064.6 | 4279153 | 1.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 135 | ALL | 667264.6 | 4279253 | 5.34E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.34E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 136 | ALL | 667364.6 | 4279253 | 7.71E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.71E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 137 | ALL | 667464.6 | 4279253 | 8.95E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.95E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 138 | ALL | 668064.6 | 4279253 | 8.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.12E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 139 | ALL | 668264.6 | 4279253 | 1.68E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 140 | ALL | 668664.6 | 4279253 | 1.70E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 141 | ALL | 668764.6 | 4279253 | 1.02E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 142 | ALL | 668864.6 | 4279253 | 6.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.23E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 143 | ALL | 668964.6 | 4279253 | 3.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.22E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 144 | ALL | 667264.6 | 4279353 | 6.51E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.51E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 145 | ALL | 667364.6 | 4279353 | 6.84E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.84E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 146 | ALL | 668164.6 | 4279353 | 9.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.30E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 147 | ALL | 668264.6 | 4279353 | 1.36E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 148 | ALL | 668664.6 | 4279353 | 1.96E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 149 | ALL | 668764.6 | 4279353 | 1.08E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 150 | ALL | 668864.6 | 4279353 | 6.73E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.73E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 151 | ALL | 668964.6 | 4279353 | 3.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 152 | ALL | 667264.6 | 4279453 | 5.24E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.24E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | ALL | 667364.6 | 4279453 | 5.68E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.68E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 154 | ALL | 667864.6 | 4279453 | 2.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.95E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 155 | ALL | 667964.6 | 4279453 | 3.44E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.44E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 156 | ALL | 668064.6 | 4279453 | 3.90E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.90E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 157 | ALL | 668164.6 | 4279453 | 8.80E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.80E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 158 | ALL | 668264.6 | 4279453 | 1.14E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 159 | ALL | 668564.6 | 4279453 | 3.02E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.02E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 160 | ALL | 668664.6 | 4279453 | 1.87E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 161 | ALL | 668764.6 | 4279453 | 1.16E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 162 | ALL | 668864.6 | 4279453 | 6.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 163 | ALL | 667264.6 | 4279553 | 5.02E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 164 | ALL | 667764.6 | 4279553 | 2.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 165 | ALL | 667864.6 | 4279553 | 2.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 166 | ALL | 667964.6 | 4279553 | 2.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.08E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 167 | ALL | 668064.6 | 4279553 | 3.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 168 | ALL | 668164.6 | 4279553 | 7.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.46E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 169 | ALL | 668264.6 | 4279553 | 9.24E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.24E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 170 | ALL | 668364.6 | 4279553 | 1.51E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 171 | ALL | 668464.6 | 4279553 | 2.05E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 172 | ALL | 668564.6 | 4279553 | 2.29E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 173 | ALL | 668664.6 | 4279553 | 1.79E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 174 | ALL | 668764.6 | 4279553 | 1.14E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 175 | ALL | 667264.6 | 4279653 | 7.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.14E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 176 | ALL | 667564.6 | 4279653 | 1.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 177 | ALL | 667664.6 | 4279653 | 1.36E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 178 | ALL | 667764.6 | 4279653 | 1.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 179 | ALL | 667864.6 | 4279653 | 1.77E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 180 | ALL | 667964.6 | 4279653 | 1.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.92E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 181 | ALL | 668064.6 | 4279653 | 3.33E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.33E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 182 | ALL | 668164.6 | 4279653 | 5.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.94E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 183 | ALL | 668264.6 | 4279653 | 7.58E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.58E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 184 | ALL | 668364.6 | 4279653 | 1.12E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 185 | ALL | 668464.6 | 4279653 | 1.52E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 186 | ALL | 668564.6 | 4279653 | 1.73E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 187 | ALL | 668664.6 | 4279653 | 1.66E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 188 | ALL | 668764.6 | 4279653 | 1.15E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 189 | ALL | 667564.6 | 4279753 | 1.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 190 | ALL | 667664.6 | 4279753 | 8.65E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 191 | ALL | 667764.6 | 4279753 | 9.87E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.87E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 192 | ALL | 667864.6 | 4279753 | 1.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 193 | ALL | 667964.6 | 4279753 | 2.01E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.01E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 194 | ALL | 668064.6 | 4279753 | 3.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.48E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 195 | ALL | 668164.6 | 4279753 | 4.84E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.84E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 196 | ALL | 668264.6 | 4279753 | 6.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.29E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 197 | ALL | 668364.6 | 4279753 | 8.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.72E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 198 | ALL | 668464.6 | 4279753 | 1.16E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 199 | ALL | 668564.6 | 4279753 | 1.31E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 200 | ALL | 668664.6 | 4279753 | 1.38E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 201 | ALL | 667864.6 | 4279853 | 1.24E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 202 | ALL | 667964.6 | 4279853 | 1.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.98E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 203 | ALL | 668064.6 | 4279853 | 3.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | ALL | 668164.6 | 4279853 | 4.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.09E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 205 | ALL | 668264.6 | 4279853 | 5.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.12E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 206 | ALL | 668364.6 | 4279853 | 6.80E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.80E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 207 | ALL | 668464.6 | 4279853 | 8.96E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.96E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 208 | ALL | 668564.6 | 4279853 | 1.00E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 209 | ALL | 668664.6 | 4279853 | 1.00E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 210 | ALL | 668764.6 | 4279853 | 9.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.26E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 211 | ALL | 667264.6 | 4279953 | 4.53E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.53E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 212 | ALL | 668064.6 | 4279953 | 3.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.08E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 213 | ALL | 668164.6 | 4279953 | 3.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.48E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 214 | ALL | 668264.6 | 4279953 | 4.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.09E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 215 | ALL | 668364.6 | 4279953 | 5.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.41E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 216 | ALL | 668464.6 | 4279953 | 7.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.04E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 217 | ALL | 668564.6 | 4279953 | 7.89E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.89E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 218 | ALL | 668664.6 | 4279953 | 6.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.98E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 219 | ALL | 668764.6 | 4279953 | 6.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.76E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 220 | ALL | 667264.6 | 4280053 | 5.44E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 221 | ALL | 667364.6 | 4280053 | 7.95E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.95E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 222 | ALL | 667464.6 | 4280053 | 8.00E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.00E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 223 | ALL | 668164.6 | 4280053 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 224 | ALL | 668264.6 | 4280053 | 3.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.43E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 225 | ALL | 668364.6 | 4280053 | 4.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 226 | ALL | 668464.6 | 4280053 | 5.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.59E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 227 | ALL | 668564.6 | 4280053 | 5.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 228 | ALL | 668664.6 | 4280053 | 4.97E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.97E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 229 | ALL | 668764.6 | 4280053 | 5.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 230 | ALL | 667264.6 | 4280153 | 6.32E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.32E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 231 | ALL | 667364.6 | 4280153 | 6.49E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.49E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 232 | ALL | 667464.6 | 4280153 | 7.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.12E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 233 | ALL | 667564.6 | 4280153 | 8.88E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.88E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 234 | ALL | 667664.6 | 4280153 | 9.86E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.86E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 235 | ALL | 667864.6 | 4280153 | 1.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 236 | ALL | 667964.6 | 4280153 | 1.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 237 | ALL | 668364.6 | 4280153 | 3.54E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.54E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 238 | ALL | 668464.6 | 4280153 | 4.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.29E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 239 | ALL | 668564.6 | 4280153 | 3.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.93E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 240 | ALL | 668764.6 | 4280153 | 4.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 241 | ALL | 667264.6 | 4280253 | 5.83E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.83E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 242 | ALL | 667364.6 | 4280253 | 5.63E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 243 | ALL | 667464.6 | 4280253 | 6.37E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.37E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 244 | ALL | 667564.6 | 4280253 | 7.35E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.35E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 245 | ALL | 667664.6 | 4280253 | 7.60E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.60E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 246 | ALL | 667864.6 | 4280253 | 1.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 247 | ALL | 667964.6 | 4280253 | 1.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 248 | ALL | 668064.6 | 4280253 | 2.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 249 | ALL | 668366.6 | 4278951 | 4.95E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.95E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 250 | ALL | 668466.6 | 4278951 | 1.41E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 251 | ALL | 668566.6 | 4278951 | 7.47E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.47E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 252 | ALL | 668366.6 | 4279051 | 1.34E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 253 | ALL | 668466.6 | 4279051 | 4.13E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.13E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 254 | ALL | 668566.6 | 4279051 | 1.62E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.62E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 255 | ALL | 668366.6 | 4279151 | 7.88E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.88E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 256 | ALL | 668466.6 | 4279151 | 6.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.09E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 257 | ALL | 668566.6 | 4279151 | 2.62E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.62E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 258 | ALL | 668366.6 | 4279251 | 4.54E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.54E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 259 | ALL | 668466.6 | 4279251 | 5.86E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.86E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 260 | ALL | 668566.6 | 4279251 | 3.36E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.36E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 261 | ALL | 668366.6 | 4279351 | 2.98E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.98E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 262 | ALL | 668466.6 | 4279351 | 4.21E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.21E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 263 | ALL | 668566.6 | 4279351 | 3.22E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.22E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 264 | ALL | 668365.5 | 4279451 | 2.12E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 265 | ALL | 668465.5 | 4279451 | 2.90E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| REC | GRP | X | Y | SCENARIO | CV | CNS | IMMUN | KIDNEY | GILV | REPRO/DEVEL | RESP | SKIN | EYE | BONE/TEETH | ENDO | BLOOD | ODOR | GENERAL | MAXHI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ALL | 667264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.07E-09 |
| 2 | ALL | 667364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.59E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.59E-09 |
| 3 | ALL | 667464.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.50E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.50E-09 |
| 4 | ALL | 667564.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.88E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.88E-09 |
| 5 | ALL | 667664.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.10E-08 |
| 6 | ALL | 667764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 |
| 7 | ALL | 667864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.54E-08 |
| 8 | ALL | 667964.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.24E-08 |
| 9 | ALL | 668364.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-08 |
| 10 | ALL | 668764.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.92E-08 |
| 11 | ALL | 668864.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.55E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.55E-08 |
| 12 | ALL | 669264.6 | 4278253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-08 |
| 13 | ALL | 667264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.40E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.40E-09 |
| 14 | ALL | 667364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-09 |
| 15 | ALL | 667464.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.13E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.13E-09 |
| 16 | ALL | 667564.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.77E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.77E-09 |
| 17 | ALL | 667664.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.76E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.76E-09 |
| 18 | ALL | 667764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-08 |
| 19 | ALL | 667864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.36E-08 |
| 20 | ALL | 667964.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.21E-08 |
| 21 | ALL | 668064.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.78E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.78E-08 |
| 22 | ALL | 668164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.37E-08 |
| 23 | ALL | 668264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.10E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.10E-08 |
| 24 | ALL | 668364.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.57E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.57E-08 |
| 25 | ALL | 668764.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.39E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.39E-08 |
| 26 | ALL | 668864.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.14E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.14E-08 |
| 27 | ALL | 669164.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.37E-08 |
| 28 | ALL | 669264.6 | 4278353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-08 |
| 29 | ALL | 667264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.01E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.01E-09 |
| 30 | ALL | 667364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.20E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.20E-09 |
| 31 | ALL | 667464.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.45E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.45E-09 |
| 32 | ALL | 667564.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.82E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.82E-09 |
| 33 | ALL | 667664.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.37E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.37E-09 |
| 34 | ALL | 667764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.02E-08 |
| 35 | ALL | 667864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-08 |
| 36 | ALL | 667964.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.85E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.85E-08 |
| 37 | ALL | 668064.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.00E-08 |
| 38 | ALL | 668164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.41E-08 |
| 39 | ALL | 668264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.16E-08 |
| 40 | ALL | 668364.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.63E-08 |
| 41 | ALL | 668764.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.23E-08 |
| 42 | ALL | 668864.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.88E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.88E-08 |
| 43 | ALL | 669164.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.41E-08 |
| 44 | ALL | 669264.6 | 4278453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.69E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.69E-08 |
| 45 | ALL | 667264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.87E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.87E-09 |
| 46 | ALL | 667364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-08 |
| 47 | ALL | 667464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.04E-08 |
| 48 | ALL | 667564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-08 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | ALL | 667664.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.91E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.91E-09 |
| 50 | ALL | 667764.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.76E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.76E-09 |
| 51 | ALL | 667864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.04E-08 |
| 52 | ALL | 667964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-08 |
| 53 | ALL | 668064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.99E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.99E-08 |
| 54 | ALL | 668164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-08 |
| 55 | ALL | 668264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.81E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.81E-08 |
| 56 | ALL | 668364.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-07 |
| 57 | ALL | 668464.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-07 |
| 58 | ALL | 668564.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 |
| 59 | ALL | 668864.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.41E-08 |
| 60 | ALL | 668964.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.63E-08 |
| 61 | ALL | 669064.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-08 |
| 62 | ALL | 669164.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.01E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.01E-08 |
| 63 | ALL | 669264.6 | 4278553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 |
| 64 | ALL | 667264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-08 |
| 65 | ALL | 667364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 |
| 66 | ALL | 667464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 |
| 67 | ALL | 667564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-08 |
| 68 | ALL | 667664.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 |
| 69 | ALL | 667764.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.15E-08 |
| 70 | ALL | 667864.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-08 |
| 71 | ALL | 667964.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.75E-08 |
| 72 | ALL | 668064.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.36E-08 |
| 73 | ALL | 668164.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 |
| 74 | ALL | 668264.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.58E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.58E-08 |
| 75 | ALL | 668364.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.08E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.08E-07 |
| 76 | ALL | 668464.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-07 |
| 77 | ALL | 668564.6 | 4278653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-07 |
| 78 | ALL | 667264.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-08 |
| 79 | ALL | 667364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-08 |
| 80 | ALL | 667464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-08 |
| 81 | ALL | 667564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.91E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.91E-08 |
| 82 | ALL | 667664.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.62E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.62E-08 |
| 83 | ALL | 667764.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.59E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.59E-08 |
| 84 | ALL | 667864.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.34E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.34E-08 |
| 85 | ALL | 667964.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.74E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.74E-08 |
| 86 | ALL | 668064.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.87E-08 |
| 87 | ALL | 668364.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.66E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.66E-07 |
| 88 | ALL | 668464.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.12E-07 |
| 89 | ALL | 668564.6 | 4278753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-07 |
| 90 | ALL | 667264.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.36E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.36E-09 |
| 91 | ALL | 667364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.13E-08 |
| 92 | ALL | 667464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 |
| 93 | ALL | 667564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-08 |
| 94 | ALL | 667664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.64E-08 |
| 95 | ALL | 667764.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.78E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.78E-08 |
| 96 | ALL | 667864.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-08 |
| 97 | ALL | 668364.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.40E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.40E-07 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | ALL | 668464.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-07 |
| 99 | ALL | 668564.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-07 |
| 100 | ALL | 668664.6 | 4278853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.20E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.20E-08 |
| 101 | ALL | 667264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.01E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.01E-08 |
| 102 | ALL | 667364.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-08 |
| 103 | ALL | 667464.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-08 |
| 104 | ALL | 667564.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-08 |
| 105 | ALL | 667664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.31E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.31E-08 |
| 106 | ALL | 668264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.23E-06 |
| 107 | ALL | 668664.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-07 |
| 108 | ALL | 668764.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.51E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.51E-08 |
| 109 | ALL | 668864.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.61E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.61E-08 |
| 110 | ALL | 669064.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.60E-08 |
| 111 | ALL | 669164.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.24E-08 |
| 112 | ALL | 669264.6 | 4278953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-08 |
| 113 | ALL | 667264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.59E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.59E-09 |
| 114 | ALL | 667364.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-08 |
| 115 | ALL | 667464.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E-08 |
| 116 | ALL | 667564.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-08 |
| 117 | ALL | 668264.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-06 |
| 118 | ALL | 668664.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E-07 |
| 119 | ALL | 668764.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E-07 |
| 120 | ALL | 668864.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.49E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.49E-08 |
| 121 | ALL | 668964.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.61E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.61E-08 |
| 122 | ALL | 669064.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.24E-08 |
| 123 | ALL | 669164.6 | 4279053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-08 |
| 124 | ALL | 667264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.80E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.80E-09 |
| 125 | ALL | 667364.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-08 |
| 126 | ALL | 667464.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E-08 |
| 127 | ALL | 667564.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.00E-08 |
| 128 | ALL | 668164.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.16E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.16E-07 |
| 129 | ALL | 668264.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.64E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.64E-07 |
| 130 | ALL | 668664.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.35E-07 |
| 131 | ALL | 668764.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-07 |
| 132 | ALL | 668864.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.11E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.11E-07 |
| 133 | ALL | 668964.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.25E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.25E-08 |
| 134 | ALL | 669064.6 | 4279153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.25E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.25E-08 |
| 135 | ALL | 667264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-08 |
| 136 | ALL | 667364.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-08 |
| 137 | ALL | 667464.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-08 |
| 138 | ALL | 668064.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.88E-07 |
| 139 | ALL | 668264.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.88E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.88E-07 |
| 140 | ALL | 668664.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.92E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.92E-07 |
| 141 | ALL | 668764.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.37E-07 |
| 142 | ALL | 668864.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-07 |
| 143 | ALL | 668964.6 | 4279253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.44E-08 |
| 144 | ALL | 667264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-08 |
| 145 | ALL | 667364.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-08 |
| 146 | ALL | 668164.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.15E-07 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | ALL | 668264.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.15E-07 |
| 148 | ALL | 668664.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.54E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.54E-07 |
| 149 | ALL | 668764.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.49E-07 |
| 150 | ALL | 668864.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-07 |
| 151 | ALL | 668964.6 | 4279353 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.52E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.52E-08 |
| 152 | ALL | 667264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.21E-08 |
| 153 | ALL | 667364.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.31E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.31E-08 |
| 154 | ALL | 667864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.82E-08 |
| 155 | ALL | 667964.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.96E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.96E-08 |
| 156 | ALL | 668064.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.02E-08 |
| 157 | ALL | 668164.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.03E-07 |
| 158 | ALL | 668264.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-07 |
| 159 | ALL | 668564.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.98E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.98E-07 |
| 160 | ALL | 668664.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.33E-07 |
| 161 | ALL | 668764.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-07 |
| 162 | ALL | 668864.6 | 4279453 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-07 |
| 163 | ALL | 667264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E-08 |
| 164 | ALL | 667764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.79E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.79E-08 |
| 165 | ALL | 667864.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.35E-08 |
| 166 | ALL | 667964.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.82E-08 |
| 167 | ALL | 668064.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.79E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.79E-08 |
| 168 | ALL | 668164.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.72E-07 |
| 169 | ALL | 668264.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.14E-07 |
| 170 | ALL | 668364.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.50E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.50E-07 |
| 171 | ALL | 668464.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.74E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.74E-07 |
| 172 | ALL | 668564.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.30E-07 |
| 173 | ALL | 668664.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.15E-07 |
| 174 | ALL | 668764.6 | 4279553 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-07 |
| 175 | ALL | 667264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 |
| 176 | ALL | 667564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.36E-08 |
| 177 | ALL | 667664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.13E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.13E-08 |
| 178 | ALL | 667764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.63E-08 |
| 179 | ALL | 667864.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-08 |
| 180 | ALL | 667964.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.44E-08 |
| 181 | ALL | 668064.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-08 |
| 182 | ALL | 668164.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.37E-07 |
| 183 | ALL | 668264.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.75E-07 |
| 184 | ALL | 668364.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.60E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.60E-07 |
| 185 | ALL | 668464.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.52E-07 |
| 186 | ALL | 668564.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.00E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.00E-07 |
| 187 | ALL | 668664.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.83E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.83E-07 |
| 188 | ALL | 668764.6 | 4279653 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.67E-07 |
| 189 | ALL | 667564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.60E-08 |
| 190 | ALL | 667664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.00E-08 |
| 191 | ALL | 667764.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.28E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.28E-08 |
| 192 | ALL | 667864.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.29E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.29E-08 |
| 193 | ALL | 667964.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.64E-08 |
| 194 | ALL | 668064.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.05E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.05E-08 |
| 195 | ALL | 668164.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.12E-07 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | ALL | 668264.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.45E-07 |
| 197 | ALL | 668364.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.02E-07 |
| 198 | ALL | 668464.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.68E-07 |
| 199 | ALL | 668564.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.03E-07 |
| 200 | ALL | 668664.6 | 4279753 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.19E-07 |
| 201 | ALL | 667864.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-08 |
| 202 | ALL | 667964.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.57E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.57E-08 |
| 203 | ALL | 668064.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.80E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.80E-08 |
| 204 | ALL | 668164.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.45E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.45E-08 |
| 205 | ALL | 668264.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.18E-07 |
| 206 | ALL | 668364.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.57E-07 |
| 207 | ALL | 668464.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.07E-07 |
| 208 | ALL | 668564.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-07 |
| 209 | ALL | 668664.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.32E-07 |
| 210 | ALL | 668764.6 | 4279853 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.14E-07 |
| 211 | ALL | 667264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-08 |
| 212 | ALL | 668064.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.13E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.13E-08 |
| 213 | ALL | 668164.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.04E-08 |
| 214 | ALL | 668264.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.46E-08 |
| 215 | ALL | 668364.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.25E-07 |
| 216 | ALL | 668464.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-07 |
| 217 | ALL | 668564.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-07 |
| 218 | ALL | 668664.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-07 |
| 219 | ALL | 668764.6 | 4279953 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-07 |
| 220 | ALL | 667264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.26E-08 |
| 221 | ALL | 667364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.84E-08 |
| 222 | ALL | 667464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-08 |
| 223 | ALL | 668164.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.76E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.76E-08 |
| 224 | ALL | 668264.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.93E-08 |
| 225 | ALL | 668364.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.01E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.01E-07 |
| 226 | ALL | 668464.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.29E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.29E-07 |
| 227 | ALL | 668564.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-07 |
| 228 | ALL | 668664.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.15E-07 |
| 229 | ALL | 668764.6 | 4280053 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.19E-07 |
| 230 | ALL | 667264.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-08 |
| 231 | ALL | 667364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-08 |
| 232 | ALL | 667464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.65E-08 |
| 233 | ALL | 667564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-08 |
| 234 | ALL | 667664.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.28E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.28E-08 |
| 235 | ALL | 667864.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.65E-08 |
| 236 | ALL | 667964.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.11E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.11E-08 |
| 237 | ALL | 668364.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-08 |
| 238 | ALL | 668464.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.92E-08 |
| 239 | ALL | 668564.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.09E-08 |
| 240 | ALL | 668764.6 | 4280153 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.43E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.43E-08 |
| 241 | ALL | 667264.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.35E-08 |
| 242 | ALL | 667364.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E-08 |
| 243 | ALL | 667464.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E-08 |
| 244 | ALL | 667564.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-08 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245 | ALL | 667664.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.76E-08 |
| 246 | ALL | 667864.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.52E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.52E-08 |
| 247 | ALL | 667964.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.15E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.15E-08 |
| 248 | ALL | 668064.6 | 4280253 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.14E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.14E-08 |
| 249 | ALL | 668366.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.14E-06 |
| 250 | ALL | 668466.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.26E-07 |
| 251 | ALL | 668566.6 | 4278951 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.73E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.73E-07 |
| 252 | ALL | 668366.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.09E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.09E-06 |
| 253 | ALL | 668466.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.55E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.55E-07 |
| 254 | ALL | 668566.6 | 4279051 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.75E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.75E-07 |
| 255 | ALL | 668366.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.82E-06 |
| 256 | ALL | 668466.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.41E-06 |
| 257 | ALL | 668566.6 | 4279151 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.06E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.06E-07 |
| 258 | ALL | 668366.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.05E-06 |
| 259 | ALL | 668466.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.36E-06 |
| 260 | ALL | 668566.6 | 4279251 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.77E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.77E-07 |
| 261 | ALL | 668366.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.90E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.90E-07 |
| 262 | ALL | 668466.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.74E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.74E-07 |
| 263 | ALL | 668566.6 | 4279351 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.45E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.45E-07 |
| 264 | ALL | 668365.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.90E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.90E-07 |
| 265 | ALL | 668465.5 | 4279451 | NonCancerChronicDerived_Inh | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.71E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.71E-07 |

# Energy Calculations

| Land Use | Natural Gas kBTU/year | Natural Gas MMBTU/year | Electricity[1] kWh/year | Electricity[1] MWh/year | Diesel gallons/year |
|---|---|---|---|---|---|
| Arena | 14025 | 1.40E+01 | 22517 | 22.517 | |
| City Park | 0 | 0.00E+00 | 0 | 0 | |
| Fast Food Restaurant with Drive Thru | 396011 | 3.96E+02 | 85767.9 | 85.7679 | |
| General Office Building | 200985 | 2.01E+02 | 146514 | 146.514 | |
| General Office Building | 47873 | 4.79E+01 | 34898.5 | 34.8985 | |
| High Turnover (Sit Down Restaurant) | 1.07E+06 | 1.07E+03 | 231527 | 231.527 | |
| Hotel | 655197 | 6.55E+02 | 308704 | 308.704 | |
| Other Asphalt Surfaces | 0 | 0.00E+00 | 0 | 0 | |
| Other Non- Asphalt Surfaces | 0 | 0.00E+00 | 0 | 0 | |
| Parking Lot | 0 | 0.00E+00 | 36011.5 | 36.0115 | |
| Quality Restaurant | 377668 | 3.78E+02 | 81795 | 81.795 | |
| Regional Shopping Center | 160373 | 1.60E+02 | 381852 | 381.852 | |
| Supermarket | 550189 | 5.50E+02 | 1002860.00 | 1002.86 | |
| Emergency Generator | - | - | - | - | 10 |
| **Total** | **3,471,331** | **3,471.331** | **2,332,447** | **2,332** | **10** |

[1] Electricity offset by 100% renewable energy.

**Stationary Source**

| Equipment | Amount | Usage Hours/yr | Horse Power | Load Factor | Average Daily Factor | Diesel Fuel Usage |
|---|---|---|---|---|---|---|
| Emergency Generator | 1 | 1.00 | 469 | 0.73 | 0.6 | 10 |

**Energy Calculations Summary**

**Operational Fuel Use Summary**

| Fuel Type | Fleet Mix (%) | Gallons per Mile | Annual VMT | Gallons |
|---|---|---|---|---|
| Gasoline | 98.69% | 0.04 | 5,576,513 | 219,197 |
| Diesel | 1.31% | 0.09 | | 6,901 |

Notes:

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2014.
3. Annual VMT obtained from CalEEMod output file.

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: El Dorado
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | CalYr | VehClass | MdlYr | Speed miles/hr | Fuel | Population vehicles | VMT miles/day | Trips trips/day | Gasoline Fuel Consumption 1,000 gallons/day | Diesel Fuel Consumption 1,000 gallons/day |
|---|---|---|---|---|---|---|---|---|---|---|
| El Dorado | 2023 | All Other Buses | Aggregate | Aggregate | DSL | 47.30826554 | 3074.930827 | 0 | 0 | 0.371458761 |
| El Dorado | 2023 | LDA | Aggregate | Aggregate | GAS | 62696.99755 | 2349929.339 | 396475.6716 | 73.16448229 | 0 |
| El Dorado | 2023 | LDA | Aggregate | Aggregate | DSL | 796.136242 | 29604.26003 | 4957.150041 | | 0.722249992 |
| El Dorado | 2023 | LDA | Aggregate | Aggregate | ELEC | 2972.656824 | 147919.7417 | 19335.54162 | 0 | 0 |
| El Dorado | 2023 | LDT1 | Aggregate | Aggregate | GAS | 5833.460389 | 176397.1688 | 34210.42254 | 6.741541784 | 0 |
| El Dorado | 2023 | LDT1 | Aggregate | Aggregate | DSL | 15.21322705 | 236.4237781 | 71.67393434 | | 0.00859724 |
| El Dorado | 2023 | LDT1 | Aggregate | Aggregate | ELEC | 1.396533215 | 56.43908641 | 8.717097137 | 0 | 0 |
| El Dorado | 2023 | LDT2 | Aggregate | Aggregate | GAS | 29514.18108 | 1057896.327 | 183631.0129 | 45.49102109 | 0.00 |
| El Dorado | 2023 | LDT2 | Aggregate | Aggregate | DSL | 50.58336879 | 2058.209584 | 320.9724014 | | 0.065608746 |
| El Dorado | 2023 | LHD1 | Aggregate | Aggregate | GAS | 2178.838642 | 54152.85126 | 32461.4493 | 5.684451414 | 0 |
| El Dorado | 2023 | LHD1 | Aggregate | Aggregate | DSL | 2870.008924 | 75770.61416 | 36101.1018 | | 4.399833667 |
| El Dorado | 2023 | LHD2 | Aggregate | Aggregate | GAS | 167.7360201 | 5795.954967 | 2499.016773 | 0.650144573 | 0 |
| El Dorado | 2023 | LHD2 | Aggregate | Aggregate | DSL | 691.3016783 | 21745.91698 | 8695.705455 | 0 | 1.386385454 |
| El Dorado | 2023 | MCY | Aggregate | Aggregate | GAS | 5316.560601 | 24509.43559 | 10632.05789 | 0.710251007 | 0 |
| El Dorado | 2023 | MDV | Aggregate | Aggregate | GAS | 21212.69917 | 602724.164 | 128643.1781 | 35.52480231 | 0.00 |
| El Dorado | 2023 | MDV | Aggregate | Aggregate | DSL | 338.9335849 | 12726.53861 | 2118.66669 | 0 | 0.529885359 |
| El Dorado | 2023 | MH | Aggregate | Aggregate | GAS | 650.6559442 | 4613.697761 | 65.09162066 | 0.704382525 | 0 |
| El Dorado | 2023 | MH | Aggregate | Aggregate | DSL | 234.7848664 | 1707.756748 | 23.47848664 | 0 | 0.180196064 |
| El Dorado | 2023 | Motor Coach | Aggregate | Aggregate | DSL | 11.80512498 | 1775.765088 | 0 | 0 | 0.304328421 |
| El Dorado | 2023 | OBUS | Aggregate | Aggregate | GAS | 66.4572842 | 2778.584749 | 1329.677342 | 0.423154791 | 0 |
| El Dorado | 2023 | PTO | Aggregate | Aggregate | DSL | 0 | 2930.802405 | 0 | 0 | 0.591825841 |
| El Dorado | 2023 | SBUS | Aggregate | Aggregate | GAS | 13.27172044 | 492.663527 | 53.08688178 | 0.04263922 | 0.00 |
| El Dorado | 2023 | SBUS | Aggregate | Aggregate | DSL | 85.81761209 | 3237.403196 | 0 | 0 | 0.445800348 |
| El Dorado | 2023 | T6 Ag | Aggregate | Aggregate | DSL | 47.80541569 | 812.558695 | 0 | 0 | 0.104650102 |
| El Dorado | 2023 | T6 CAIRP heavy | Aggregate | Aggregate | DSL | 4.549115224 | 247.8941269 | 0 | 0 | 0.028737064 |
| El Dorado | 2023 | T6 CAIRP small | Aggregate | Aggregate | DSL | 11.62706561 | 760.9737874 | 0 | 0 | 0.089290745 |
| El Dorado | 2023 | T6 instate construction he | Aggregate | Aggregate | DSL | 13.30123098 | 1009.370776 | 0 | 0 | 0.12223977 |
| El Dorado | 2023 | T6 instate construction sm | Aggregate | Aggregate | DSL | 128.458303 | 7577.894804 | 0 | 0 | 0.899630385 |
| El Dorado | 2023 | T6 instate heavy | Aggregate | Aggregate | DSL | 408.632151 | 16549.99232 | 0 | 0 | 1.986693709 |
| El Dorado | 2023 | T6 instate small | Aggregate | Aggregate | DSL | 739.8768765 | 39240.63145 | 0 | 0 | 4.70850651 |
| El Dorado | 2023 | T6 OOS heavy | Aggregate | Aggregate | DSL | 2.638703631 | 142.0340184 | 0 | 0 | 0.016470508 |
| El Dorado | 2023 | T6 OOS small | Aggregate | Aggregate | DSL | 6.66187163 | 436.0093815 | 0 | 0 | 0.051160241 |
| El Dorado | 2023 | T6 Public | Aggregate | Aggregate | DSL | 405.5960274 | 7338.352366 | 0 | 0 | 0.891250355 |
| El Dorado | 2023 | T6 utility | Aggregate | Aggregate | DSL | 8.779306062 | 165.9061696 | 0 | 0 | 0.020336049 |
| El Dorado | 2023 | T6TS | Aggregate | Aggregate | GAS | 165.9814323 | 6282.833531 | 3320.956497 | 0.986645228 | |
| El Dorado | 2023 | T7 Ag | Aggregate | Aggregate | DSL | 0.834782161 | 14.36495985 | 0 | 0 | 0.002815805 |
| El Dorado | 2023 | T7 CAIRP | Aggregate | Aggregate | DSL | 24.14668835 | 5631.142725 | 0 | 0 | 0.892009659 |
| El Dorado | 2023 | T7 CAIRP construction | Aggregate | Aggregate | DSL | 2.961978685 | 716.0399374 | 0 | 0 | 0.114344329 |
| El Dorado | 2023 | T7 NNOOS | Aggregate | Aggregate | DSL | 26.67967584 | 6982.623985 | 0 | 0 | 1.077896212 |
| El Dorado | 2023 | T7 NOOS | Aggregate | Aggregate | DSL | 9.689290207 | 2224.299716 | 0 | 0 | 0.358996439 |
| El Dorado | 2023 | T7 POAK | Aggregate | Aggregate | DSL | 0.34678143 | 52.18785317 | 0 | 0 | 0.00823999 |
| El Dorado | 2023 | T7 Public | Aggregate | Aggregate | DSL | 238.7045751 | 5466.284869 | 0 | 0 | 1.047261656 |
| El Dorado | 2023 | T7 Single | Aggregate | Aggregate | DSL | 163.6767763 | 14760.10673 | 0 | 0 | 2.45660994 |
| El Dorado | 2023 | T7 single construction | Aggregate | Aggregate | DSL | 19.09382146 | 1852.301106 | 0 | 0 | 0.292382867 |
| El Dorado | 2023 | T7 SWCV | Aggregate | Aggregate | DSL | 34.81669955 | 1603.539749 | 0 | 0 | 0.707234697 |
| El Dorado | 2023 | T7 tractor | Aggregate | Aggregate | DSL | 3.149532699 | 308.6463152 | 0 | 0 | 0.048581866 |
| El Dorado | 2023 | T7 tractor construction | Aggregate | Aggregate | DSL | 15.38933887 | 1381.027378 | 0 | 0 | 0.219274552 |
| El Dorado | 2023 | T7 utility | Aggregate | Aggregate | DSL | 1.380392728 | 31.54563616 | 0 | 0 | 0.005972731 |
| El Dorado | 2023 | T7IS | Aggregate | Aggregate | GAS | 15.32984055 | 1201.459356 | 306.7194497 | 0.263805635 | 0 |
| El Dorado | 2023 | UBUS | Aggregate | Aggregate | GAS | 20.09592414 | 2183.486198 | 80.38369657 | 0.435855333 | 0 |
| El Dorado | 2023 | UBUS | Aggregate | Aggregate | DSL | 26.14975171 | 2966.420216 | 104.5990069 | 0 | 0.662486739 |

| | | | | | |
|---|---|---|---|---|---|
| TOTAL | 4,710,075 | 170.82 | 25.82 | 24.0 | 0.04 |
| Total (Gas) | 4,288,958 | | | 25.1 | 0.04 |
| Total (Diesel) | 273,141 | | | 10.6 | 0.09 |

**Annual VMT**
5,576,513

| | Mix (%) | Miles | Gallons |
|---|---|---|---|
| Gas | 98.7% | 5,503,505 | 219,197 |
| Diesel | 1.3% | 73,008 | 6,901 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Project Land Uses | 0.536606 | 0.037513 | 0.22504 | 0.130667 | 0.027584 | 0.005847 | 0.017105 | 0.009587 | 0.00162 | 0.001093 | 0.005204 | 0.000792 | 0.001342 |

| | |
|---|---|
| Gas | 98.7% |
| Diesel | 1.3% |

**Energy Calculations Summary**

**Construction Fuel Usage Summary**

| | Diesel | Gasoline | Diesel | Diesel |
|---|---|---|---|---|
| **Construction Year** | **Off-road Equipment (gallons)** | **On-road (gallons)** | **On-road (gallons)** | **Combined** |
| 2020 | 67,531 | 19,665 | 60,990 | 128,522 |
| 2021 | 20,597 | 9,506 | 105 | 20,701 |
| 2022 | 6,081 | 31 | 11 | 6,092 |
| **TOTAL** | **94,209** | **29,203** | **61,106** | 155,314 |

| | | |
|---|---|---|
| **Total Gasoline** | **29,203** | **gallons** |
| **Total Diesel** | **155,314** | **gallons** |

**2020-2022 Construction Offroad Equipment - Montano**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor | Number of days | Average Daily Factor | Diesel Fuel Usage |
|---|---|---|---|---|---|---|---|---|
| Phase 1 | | | | | | | | |
| 2020 | | | | | | | | |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 | 10 | 0.6 | 711 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 | 10 | 0.6 | 345 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 | 304 | 0.6 | 8,761 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 | 304 | 0.6 | 5,594 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 | 304 | 0.6 | 7,208 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 | 304 | 0.6 | 25,705 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 | 304 | 0.6 | 5,237 |
| Trenching | Trenchers | 1 | 8.00 | 78 | 0.50 | 10 | 0.6 | 94 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 | 200 | 0.6 | 2,814 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 | 200 | 0.6 | 2,563 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 | 200 | 0.6 | 2,984 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 | 200 | 0.6 | 4,522 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 | 200 | 0.6 | 994 |
| 2021 | | | | | | | | |
| Grading | Excavators | 2 | 8 | 158 | 0.38 | 11 | 0.6 | 317 |
| Grading | Graders | 1 | 8 | 187 | 0.41 | 11 | 0.6 | 202 |
| Grading | Rubber Tired Dozers | 1 | 8 | 247 | 0.4 | 11 | 0.6 | 261 |
| Grading | Scrapers | 2 | 8 | 367 | 0.48 | 11 | 0.6 | 930 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 | 11 | 0.6 | 189 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 | 100 | 0.6 | 1,407 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 | 100 | 0.6 | 1,282 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 | 100 | 0.6 | 1,492 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 | 100 | 0.6 | 2,261 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 | 100 | 0.6 | 497 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 | 20 | 0.6 | 524 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 | 20 | 0.6 | 456 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 | 20 | 0.6 | 292 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 | 20 | 0.6 | 135 |
| Phase 2 | | | | | | | | |
| 2021 | | | | | | | | |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 | 173 | 0.6 | 2,781 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 | 173 | 0.6 | 1,293 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 | 173 | 0.6 | 2,581 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 | 173 | 0.6 | 1,118 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 | 173 | 0.6 | 2,578 |
| 2022 | | | | | | | | |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 | 47 | 0.6 | 756 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 | 47 | 0.6 | 351 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 | 47 | 0.6 | 701 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 | 47 | 0.6 | 304 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 | 47 | 0.6 | 700 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 | 10 | 0.6 | 67 |
| Phase 3 | | | | | | | | |
| 2022 | | | | | | | | |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 | 100 | 0.6 | 804 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 | 100 | 0.6 | 641 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 | 100 | 0.6 | 1,723 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 | 5 | 0.6 | 34 |
| | | | | | | | **2020 TOTAL** | **67,531** |
| | | | | | | | **2021 TOTAL** | **20,597** |
| | | | | | | | **2022 TOTAL** | **6,081** |
| | | | | | | | **Project TOTAL** | **94,209** |

| | Year | Start Date | End Date | Network Days |
|---|---|---|---|---|
| Phase 1 | | | | |
| **Site Preparation** | 2020 | 1/1/2020 | 1/11/2020 | 10 |
| **Grading** | 2020 | 1/13/2020 | 12/31/2020 | 304 |
| | 2021 | 1/1/2021 | 1/13/2021 | 11 |
| **Trenching** | 2020 | 5/1/2020 | 5/12/2020 | 10 |
| **Building Construction** | 2020 | 5/13/2020 | 12/31/2020 | 200 |
| | 2021 | 1/1/2021 | 4/27/2021 | 100 |
| **Paving** | 2021 | 4/28/2021 | 5/20/2021 | 20 |
| **Architectural Coating** | 2021 | 5/21/2021 | 6/12/2021 | 20 |
| Phase 2 | | | | |
| **Building Construction** | 2021 | 6/14/2021 | 12/31/2021 | 173 |
| | 2022 | 1/1/2022 | 2/24/2022 | 47 |
| **Architectural Coating** | 2022 | 2/25/2022 | 3/8/2022 | 10 |
| Phase 3 | | | | |
| **Building Construction** | 2022 | 3/9/2022 | 7/2/2022 | 100 |
| **Architectural Coating** | 2022 | 7/4/2022 | 7/8/2022 | 5 |

**Trips and VMT**

**2020**

| Phase Name | Daily Worker Trip | Days per Year | Total Worker Trips | Total Vendor Trips | Total Hauling Trips | Worker Trip Length (miles) | Vendor Trip Length (miles) | Haul Trip Length (miles) | Total Worker Trip Length (miles) | Total Vendor Trip Length (miles) | Total Haul Trip Length (miles) | **Total gallons of gasoline** | **Total gallons of diesel** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1: Site Preparation | 18 | 10 | 180 | 0 | 0 | 10.80 | 7.30 | 20.00 | 1944 | 0 | 0 | **75** | **0** |
| P1: Grading | 20 | 304 | 6080 | 0 | 18094 | 10.80 | 7.30 | 20.00 | 65664 | 0 | 361880 | **2,539** | **60,891** |
| P1: Trenching | 3 | 10 | 30 | 0 | 0 | 10.80 | 7.30 | 20.00 | 324 | 0 | 0 | **13** | **0** |
| P1: Building Construction | 204 | 200 | 40800 | 81 | 0 | 10.80 | 7.30 | 20.00 | 440640 | 591.3 | 0 | **17,039** | **99** |
| | | | | | | | | | | | **TOTAL** | **19,665** | **60,990** |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

**2021**

| Phase Name | Daily Worker Trip | Days per Year | Total Worker Trips | Total Vendor Trips | Total Hauling Trips | Worker Trip Length (miles) | Vendor Trip Length (miles) | Haul Trip Length (miles) | Total Worker Trip Length (miles) | Total Vendor Trip Length (miles) | Total Haul Trip Length (miles) | **Total gallons of gasoline** | **Total gallons of diesel** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1: Grading | 20 | 11 | 220 | 0 | 0 | 10.80 | 7.30 | 20.00 | 2376 | 0 | 0 | **89** | **0** |
| P1: Building Construction | 204 | 100 | 20400 | 81 | 0 | 10.80 | 7.30 | 20.00 | 220320 | 591.3 | 0 | **8,263** | **98** |
| P1: Paving | 15 | 20 | 300 | 0 | 0 | 10.80 | 7.30 | 20.00 | 3240 | 0 | 0 | **122** | **0** |
| P1: Architectural Coating | 41 | 20 | 820 | 0 | 0 | 10.80 | 7.30 | 20.00 | 8856 | 0 | 0 | **332** | **0** |
| P2: Building Construction | 10 | 173 | 1730 | 5 | 0 | 10.80 | 7.30 | 20.00 | 18684 | 36.5 | 0 | **701** | **6** |
| | | | | | | | | | | | **TOTAL** | **9,506** | **105** |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

**2022**

| Phase Name | Daily Worker Trip | Days per Year | Total Worker Trips | Total Vendor Trips | Total Hauling Trips | Worker Trip Length (miles) | Vendor Trip Length (miles) | Haul Trip Length (miles) | Total Worker Trip Length (miles) | Total Vendor Trip Length (miles) | Total Haul Trip Length (miles) | **Total gallons of gasoline** | **Total gallons of diesel** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2: Building Construction | 10 | 47 | 470 | 5 | 0 | 10.80 | 7.30 | 20.00 | 5076 | 36.5 | 0 | **12** | **6** |
| P2: Architectural Coating | 2 | 10 | 20 | 0 | 0 | 10.80 | 7.30 | 20.00 | 216 | 0 | 0 | **1** | **0** |
| P3: Building Construction | 7 | 100 | 700 | 4 | 0 | 10.80 | 7.30 | 20.00 | 7560 | 29.2 | 0 | **18** | **5** |
| P3: Architectural Coating | 1 | 5 | 5 | 0 | 0 | 10.80 | 7.30 | 20.00 | 54 | 0 | 0 | **0** | **0** |
| | | | | | | | | | | | **TOTAL** | **31** | **11** |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: El Dorado
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | CalYr | VehClass | MdlYr | Speed miles/hr | Fuel | Population vehicles | VMT miles/day | Trips trips/day | Fuel gas 1,000 gallons/day | Diesel gas 1,000 gallons/day | Miles per gallon | Gasoline miles per gallon | Diesel miles per gallon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| El Dorado | 2020 | LDA | Aggregated | Aggregated | GAS | 57240.04389 | 2234289.025 | 361306.0209 | 76.16436578 | 0.00 | 29.34 | 25.86 | 5.94 |
| El Dorado | 2020 | LDT1 | Aggregated | Aggregated | GAS | 6270.826923 | 188095.3885 | 36747.08889 | 7.943511835 | 0.00 | 23.68 | | |
| El Dorado | 2020 | LDT2 | Aggregated | Aggregated | GAS | 27579.82687 | 1022048.691 | 171710.0849 | 48.44779314 | 0.00 | 21.10 | | |
| El Dorado | 2020 | T7 tractor construction | Aggregated | Aggregated | DSL | 14.23732673 | 1277.528275 | 0 | 0.00 | 0.2149602 | 5.94 | | |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: El Dorado
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | CalYr | VehClass | MdlYr | Speed miles/hr | Fuel | Population vehicles | VMT miles/day | Trips trips/day | Fuel gas 1,000 gallons/day | Diesel gas 1,000 gallons/day | Miles per gallon | Gasoline miles per gallon | Diesel miles per gallon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| El Dorado | 2021 | LDA | Aggregated | Aggregated | GAS | 59086.6213 | 2280697.527 | 373278.4882 | 75.41743287 | 0.00 | 30.24 | 26.66 | 6.01 |
| El Dorado | 2021 | LDT1 | Aggregated | Aggregated | GAS | 6098.347856 | 183450.7858 | 35730.60993 | 7.512364087 | 0.00 | 24.42 | | |
| El Dorado | 2021 | LDT2 | Aggregated | Aggregated | GAS | 28204.03243 | 1034597.539 | 175555.0729 | 47.55915209 | 0.00 | 21.75 | | |
| El Dorado | 2021 | T7 tractor construction | Aggregated | Aggregated | DSL | 14.68821717 | 1312.621661 | 0 | 0.00 | 0.218549655 | 6.01 | | |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: El Dorado
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | CalYr | VehClass | MdlYr | Speed<br>miles/hr | Fuel | Population<br>vehicles | VMT<br>miles/day | Trips<br>trips/day | Fuel gas<br>1,000 gallons/day | Diesel gas<br>1,000 gallons/day | Miles per gallon | Gasoline miles per gallon | Diesel miles per gallon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| El Dorado | 2022 | LDA | Aggregated | Aggregated | GAS | 60916.68657 | 2316594.39 | 385077.4155 | 74.32612822 | 0.00 | 31.17 | 412.59 | 6.08 |
| El Dorado | 2022 | LDT1 | Aggregated | Aggregated | GAS | 5954.827454 | 179447.4934 | 34896.72253 | 7.109136385 | 0.00 | 25.24 | | |
| El Dorado | 2022 | LDT2 | Aggregated | Aggregated | GAS | 28848.45346 | 1045430.221 | 179521.6786 | 0.668958583 | 0.00 | 1562.77 | | |
| El Dorado | 2022 | T7 tractor construction | Aggregated | Aggregated | DSL | 15.08696567 | 1347.121362 | 0 | 0.00 | 0.22159546 | 6.08 | | |

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).