# Appendix C-2
# CalEEMod Runs

# Port of Stockton - Nevada Cement 1-29-2026 Mitigation Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Port of Stockton - Nevada Cement 1-29-2026 Mitigation |
| Construction Start Date | 7/1/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40000 |
| Precipitation (days) | 0.40000 |
| Location | Port of Stockton, Stockton, CA 95203, USA |
| County | San Joaquin |
| City | Stockton |
| Air District | San Joaquin Valley APCD |
| Air Basin | San Joaquin Valley |
| TAZ | 2023 |
| EDFZ | 4 |
| Electric Utility | Western Area Power Administration |
| Gas Utility | Pacific Gas & Electric |
| App Version | 2022.1.1.37 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 478.000 | 1000sqft | 10.9734 | 478,000 | 0.00000 | 0.00000 | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-2* | Limit Heavy-Duty Diesel Vehicle Idling |
| Construction | C-5 | Use Advanced Engine Tiers |

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

# 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 11.8283 | 9.83970 | 84.6576 | 90.1959 | 0.24752 | 3.11637 | 17.2282 | 20.3446 | 2.87961 | 6.43462 | 9.31423 | — | 29,796.1 | 29,796.1 | 0.96486 | 1.54485 | 24.4596 | 30,305.0 |
| Mit. | 6.20466 | 5.35826 | 42.6337 | 120.944 | 0.25884 | 1.36047 | 17.2282 | 18.5887 | 1.28862 | 6.43462 | 7.72324 | — | 31,021.0 | 31,021.0 | 1.01455 | 1.55478 | 24.4596 | 31,534.1 |
| % Reduced | 48% | 46% | 50% | -34% | -5% | 56% | — | 9% | 55% | — | 17% | — | -4% | -4% | -5% | -1% | — | -4% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 12.9997 | 10.7846 | 97.4862 | 98.5915 | 0.27256 | 3.57800 | 19.7730 | 23.3510 | 3.30673 | 6.81092 | 10.1176 | — | 32,909.2 | 32,909.2 | 1.06294 | 1.85004 | 0.79456 | 33,487.9 |
| Mit. | 7.11246 | 6.08776 | 52.1578 | 129.506 | 0.28387 | 1.68297 | 19.7730 | 21.4560 | 1.58835 | 6.81092 | 8.39927 | — | 34,132.7 | 34,132.7 | 1.11256 | 1.85996 | 0.79456 | 34,715.6 |
| % Reduced | 45% | 44% | 46% | -31% | -4% | 53% | — | 8% | 52% | — | 17% | — | -4% | -4% | -5% | -1% | — | -4% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 6.87497 | 5.75332 | 49.2354 | 53.8850 | 0.14790 | 1.70465 | 7.16770 | 8.87235 | 1.57603 | 2.30617 | 3.88220 | — | 18,015.2 | 18,015.2 | 0.57908 | 0.95581 | 7.01875 | 18,321.5 |
| Mit. | 4.45836 | 3.82867 | 31.1041 | 67.1623 | 0.15051 | 0.94730 | 7.16770 | 8.11501 | 0.88989 | 2.30617 | 3.19606 | — | 18,297.1 | 18,297.1 | 0.59052 | 0.95810 | 7.01875 | 18,604.4 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | 35% | 33% | 37% | -25% | -2% | 44% | — | 9% | 44% | — | 18% | — | -2% | -2% | -2% | > -0.5% | — | -2% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.25468 | 1.04998 | 8.98547 | 9.83400 | 0.02699 | 0.31110 | 1.30811 | 1.61920 | 0.28763 | 0.42088 | 0.70850 | — | 2,982.62 | 2,982.62 | 0.09587 | 0.15825 | 1.16203 | 3,033.34 |
| Mit. | 0.81365 | 0.69873 | 5.67650 | 12.2571 | 0.02747 | 0.17288 | 1.30811 | 1.48099 | 0.16241 | 0.42088 | 0.58328 | — | 3,029.29 | 3,029.29 | 0.09777 | 0.15862 | 1.16203 | 3,080.17 |
| % Reduced | 35% | 33% | 37% | -25% | -2% | 44% | — | 9% | 44% | — | 18% | — | -2% | -2% | -2% | > -0.5% | — | -2% |

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.86160 | 1.58516 | 11.0700 | 19.2439 | 0.03707 | 0.29890 | 4.68289 | 4.98179 | 0.27933 | 0.89666 | 1.17600 | — | 6,537.31 | 6,537.31 | 0.15220 | 0.57560 | 13.9696 | 6,726.62 |
| 2027 | 11.8283 | 9.83970 | 84.6576 | 90.1959 | 0.24752 | 3.11637 | 17.2282 | 20.3446 | 2.87961 | 6.43462 | 9.31423 | — | 29,796.1 | 29,796.1 | 0.96486 | 1.54485 | 24.4596 | 30,305.0 |
| 2028 | 4.02872 | 3.42521 | 26.0674 | 36.5214 | 0.08722 | 0.75342 | 3.13202 | 3.88544 | 0.69773 | 0.68947 | 1.38720 | — | 11,279.0 | 11,279.0 | 0.34625 | 0.59113 | 11.2058 | 11,475.0 |
| 2030 | 5.21794 | 4.32350 | 35.5821 | 42.9060 | 0.14034 | 1.13407 | 2.67066 | 3.80474 | 1.05088 | 0.60150 | 1.65238 | — | 16,059.7 | 16,059.7 | 0.52258 | 0.81789 | 9.81203 | 16,326.3 |
| 2031 | 2.52654 | 2.10239 | 16.6599 | 23.2239 | 0.06702 | 0.46684 | 1.32565 | 1.79249 | 0.41792 | 0.33538 | 0.75330 | — | 7,929.09 | 7,929.09 | 0.25485 | 0.35958 | 4.76412 | 8,047.38 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 12.9997 | 10.7846 | 97.4862 | 98.5915 | 0.27253 | 3.57800 | 19.7730 | 23.3510 | 3.30673 | 6.81092 | 10.1176 | — | 32,909.2 | 32,909.2 | 1.06294 | 1.85004 | 0.79456 | 33,487.9 |
| 2027 | 12.5986 | 10.4914 | 93.8101 | 97.2634 | 0.27256 | 3.36507 | 19.7730 | 23.1381 | 3.11083 | 6.81092 | 9.92176 | — | 32,652.9 | 32,652.9 | 1.06109 | 1.79781 | 0.72050 | 33,215.9 |
| 2028 | 5.37399 | 4.45449 | 37.9007 | 45.2607 | 0.12034 | 1.13433 | 3.55474 | 4.68907 | 1.05058 | 0.80520 | 1.85578 | — | 14,740.5 | 14,740.5 | 0.46550 | 0.84909 | 0.37049 | 15,005.6 |
| 2030 | 2.86618 | 2.37693 | 20.1366 | 25.5634 | 0.07492 | 0.56423 | 1.46186 | 2.02609 | 0.52323 | 0.37275 | 0.89597 | — | 8,790.84 | 8,790.84 | 0.28412 | 0.47173 | 0.15919 | 8,938.68 |
| 2031 | 2.76699 | 2.31065 | 19.5210 | 25.3429 | 0.07492 | 0.53704 | 1.46186 | 1.99890 | 0.47992 | 0.37275 | 0.85266 | — | 8,710.07 | 8,710.07 | 0.28226 | 0.45344 | 0.14203 | 8,852.39 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.09759 | 0.92147 | 7.38648 | 9.71322 | 0.02272 | 0.22854 | 2.38671 | 2.61525 | 0.21236 | 0.55649 | 0.76885 | — | 3,459.70 | 3,459.70 | 0.09291 | 0.27597 | 2.66966 | 3,546.93 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2027 | 6.87497 | 5.75332 | 49.2354 | 53.8850 | 0.14790 | 1.70465 | 7.16770 | 8.87235 | 1.57603 | 2.30617 | 3.88220 | — | 18,015.2 | 18,015.2 | 0.57908 | 0.95581 | 7.01875 | 18,321.5 |
| 2028 | 1.79137 | 1.49752 | 11.4305 | 15.3846 | 0.03610 | 0.33814 | 1.47563 | 1.81377 | 0.31314 | 0.33933 | 0.65247 | — | 4,846.62 | 4,846.62 | 0.14801 | 0.26529 | 2.38008 | 4,931.75 |
| 2030 | 2.04407 | 1.69461 | 13.9850 | 17.5312 | 0.05311 | 0.42456 | 1.35195 | 1.77651 | 0.39375 | 0.31256 | 0.70631 | — | 6,364.20 | 6,364.20 | 0.20071 | 0.35779 | 2.04363 | 6,477.88 |
| 2031 | 0.71005 | 0.59836 | 4.59089 | 6.50976 | 0.01865 | 0.13102 | 0.43297 | 0.56399 | 0.11743 | 0.10810 | 0.22553 | — | 2,264.68 | 2,264.68 | 0.07332 | 0.09762 | 0.62019 | 2,296.22 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 0.20031 | 0.16817 | 1.34803 | 1.77266 | 0.00415 | 0.04171 | 0.43557 | 0.47728 | 0.03876 | 0.10156 | 0.14031 | — | 572.793 | 572.793 | 0.01538 | 0.04569 | 0.44199 | 587.235 |
| 2027 | 1.25468 | 1.04998 | 8.98547 | 9.83400 | 0.02699 | 0.31110 | 1.30811 | 1.61920 | 0.28763 | 0.42088 | 0.70850 | — | 2,982.62 | 2,982.62 | 0.09587 | 0.15825 | 1.16203 | 3,033.34 |
| 2028 | 0.32693 | 0.27330 | 2.08607 | 2.80770 | 0.00659 | 0.06171 | 0.26930 | 0.33101 | 0.05715 | 0.06193 | 0.11908 | — | 802.413 | 802.413 | 0.02450 | 0.04392 | 0.39405 | 816.508 |
| 2030 | 0.37304 | 0.30927 | 2.55227 | 3.19945 | 0.00969 | 0.07748 | 0.24673 | 0.32421 | 0.07186 | 0.05704 | 0.12890 | — | 1,053.67 | 1,053.67 | 0.03323 | 0.05924 | 0.33835 | 1,072.49 |
| 2031 | 0.12958 | 0.10920 | 0.83784 | 1.18803 | 0.00340 | 0.02391 | 0.07902 | 0.10293 | 0.02143 | 0.01973 | 0.04116 | — | 374.943 | 374.943 | 0.01214 | 0.01616 | 0.10268 | 380.166 |

## 2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.71956 | 1.47193 | 9.86048 | 19.9826 | 0.03707 | 0.24883 | 4.68289 | 4.93172 | 0.23388 | 0.89666 | 1.13054 | — | 6,537.31 | 6,537.31 | 0.15220 | 0.57560 | 13.9696 | 6,726.62 |
| 2027 | 6.20466 | 5.35826 | 42.6337 | 120.944 | 0.25884 | 1.36047 | 17.2282 | 18.5887 | 1.28862 | 6.43462 | 7.72324 | — | 31,021.0 | 31,021.0 | 1.01455 | 1.55478 | 24.4596 | 31,534.1 |
| 2028 | 3.67961 | 3.14558 | 23.1312 | 37.6159 | 0.08722 | 0.61324 | 3.13202 | 3.74526 | 0.57014 | 0.68947 | 1.25961 | — | 11,279.0 | 11,279.0 | 0.34625 | 0.59113 | 11.2058 | 11,475.0 |
| 2030 | 3.50352 | 2.99666 | 26.8006 | 61.8638 | 0.14034 | 0.78535 | 2.67066 | 3.45602 | 0.74145 | 0.60150 | 1.34295 | — | 16,059.7 | 16,059.7 | 0.52258 | 0.81789 | 9.81203 | 16,326.3 |
| 2031 | 1.88603 | 1.61291 | 14.1650 | 31.9604 | 0.06702 | 0.36616 | 1.32565 | 1.69181 | 0.33018 | 0.33538 | 0.66556 | — | 7,929.09 | 7,929.09 | 0.25485 | 0.35958 | 4.76412 | 8,047.38 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 7.11246 | 6.08776 | 52.1578 | 129.506 | 0.28384 | 1.68297 | 19.7730 | 21.4560 | 1.58835 | 6.81092 | 8.39927 | — | 34,132.7 | 34,132.7 | 1.11256 | 1.85996 | 0.79456 | 34,715.6 |
| 2027 | 6.83559 | 5.89897 | 50.6447 | 128.757 | 0.28387 | 1.56176 | 19.7730 | 21.3348 | 1.47684 | 6.81092 | 8.28776 | — | 33,877.8 | 33,877.8 | 1.11078 | 1.80774 | 0.72050 | 34,445.0 |
| 2028 | 4.81687 | 4.00968 | 33.3523 | 47.5236 | 0.12034 | 0.92661 | 3.55474 | 4.48135 | 0.86181 | 0.80520 | 1.66701 | — | 14,740.5 | 14,740.5 | 0.46550 | 0.84909 | 0.37049 | 15,005.6 |
| 2030 | 2.20594 | 1.87088 | 17.3782 | 34.2920 | 0.07492 | 0.46236 | 1.46186 | 1.92422 | 0.43439 | 0.37275 | 0.80713 | — | 8,790.84 | 8,790.84 | 0.28412 | 0.47173 | 0.15919 | 8,938.68 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2031 | 2.12648 | 1.82117 | 17.0260 | 34.0794 | 0.07492 | 0.43637 | 1.46186 | 1.89823 | 0.39218 | 0.37275 | 0.76493 | — | 8,710.07 | 8,710.07 | 0.28226 | 0.45344 | 0.14203 | 8,852.39 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 0.85134 | 0.72504 | 5.44745 | 11.0037 | 0.02309 | 0.14766 | 2.38671 | 2.53437 | 0.13900 | 0.55649 | 0.69549 | — | 3,499.92 | 3,499.92 | 0.09454 | 0.27629 | 2.66966 | 3,587.29 |
| 2027 | 4.45836 | 3.82867 | 31.1041 | 67.1623 | 0.15051 | 0.94730 | 7.16770 | 8.11501 | 0.88989 | 2.30617 | 3.19606 | — | 18,297.1 | 18,297.1 | 0.59052 | 0.95810 | 7.01875 | 18,604.4 |
| 2028 | 1.59579 | 1.34325 | 9.82163 | 16.7177 | 0.03695 | 0.26530 | 1.47563 | 1.74093 | 0.24713 | 0.33933 | 0.58646 | — | 4,938.39 | 4,938.39 | 0.15173 | 0.26604 | 2.38008 | 5,023.84 |
| 2030 | 1.47101 | 1.25111 | 11.0515 | 23.8724 | 0.05311 | 0.30809 | 1.35195 | 1.66004 | 0.29041 | 0.31256 | 0.60297 | — | 6,364.20 | 6,364.20 | 0.20071 | 0.35779 | 2.04363 | 6,477.88 |
| 2031 | 0.51773 | 0.45116 | 3.81516 | 9.06949 | 0.01865 | 0.09945 | 0.43297 | 0.53241 | 0.08982 | 0.10810 | 0.19792 | — | 2,264.68 | 2,264.68 | 0.07332 | 0.09762 | 0.62019 | 2,296.22 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 0.15537 | 0.13232 | 0.99416 | 2.00817 | 0.00421 | 0.02695 | 0.43557 | 0.46252 | 0.02537 | 0.10156 | 0.12693 | — | 579.452 | 579.452 | 0.01565 | 0.04574 | 0.44199 | 593.917 |
| 2027 | 0.81365 | 0.69873 | 5.67650 | 12.2571 | 0.02747 | 0.17288 | 1.30811 | 1.48099 | 0.16241 | 0.42088 | 0.58328 | — | 3,029.29 | 3,029.29 | 0.09777 | 0.15862 | 1.16203 | 3,080.17 |
| 2028 | 0.29123 | 0.24514 | 1.79245 | 3.05098 | 0.00674 | 0.04842 | 0.26930 | 0.31772 | 0.04510 | 0.06193 | 0.10703 | — | 817.607 | 817.607 | 0.02512 | 0.04405 | 0.39405 | 831.755 |
| 2030 | 0.26846 | 0.22833 | 2.01690 | 4.35671 | 0.00969 | 0.05623 | 0.24673 | 0.30296 | 0.05300 | 0.05704 | 0.11004 | — | 1,053.67 | 1,053.67 | 0.03323 | 0.05924 | 0.33835 | 1,072.49 |
| 2031 | 0.09449 | 0.08234 | 0.69627 | 1.65518 | 0.00340 | 0.01815 | 0.07902 | 0.09717 | 0.01639 | 0.01973 | 0.03612 | — | 374.943 | 374.943 | 0.01214 | 0.01616 | 0.10268 | 380.166 |

# 3. Construction Emissions Details

## 3.1. CC-01 Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.86491 | 0.72415 | 6.75659 | 8.53519 | 0.01457 | 0.24462 | — | 0.24462 | 0.22505 | — | 0.22505 | — | 1,499.06 | 1,499.06 | 0.06081 | 0.01216 | — | 1,504.20 |
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00219 | 0.00156 | 0.03247 | 0.02196 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.06184 | 6.06184 | 0.00048 | 0.00095 | 0.00641 | 6.36396 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.86491 | 0.72415 | 6.75659 | 8.53519 | 0.01457 | 0.24462 | — | 0.24462 | 0.22505 | — | 0.22505 | — | 1,499.06 | 1,499.06 | 0.06081 | 0.01216 | — | 1,504.20 |
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |
| Onsite truck | 0.00197 | 0.00134 | 0.03450 | 0.02271 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.14645 | 6.14645 | 0.00048 | 0.00100 | 0.00017 | 6.45548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.34935 | 0.29249 | 2.72908 | 3.44748 | 0.00588 | 0.09880 | — | 0.09880 | 0.09090 | — | 0.09090 | — | 605.491 | 605.491 | 0.02456 | 0.00491 | — | 607.569 |
| Demolition | — | — | — | — | — | — | 0.38146 | 0.38146 | — | 0.05776 | 0.05776 | — | — | — | — | — | — | — |
| Onsite truck | 0.00083 | 0.00059 | 0.01349 | 0.00899 | 0.00002 | 0.00002 | 0.47514 | 0.47516 | 0.00002 | 0.04743 | 0.04745 | — | 2.46282 | 2.46282 | 0.00019 | 0.00038 | 0.00111 | 2.58337 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06376 | 0.05338 | 0.49806 | 0.62917 | 0.00107 | 0.01803 | — | 0.01803 | 0.01659 | — | 0.01659 | — | 100.246 | 100.246 | 0.00407 | 0.00081 | — | 100.590 |
| Demolition | — | — | — | — | — | — | 0.06962 | 0.06962 | — | 0.01054 | 0.01054 | — | — | — | — | — | — | — |
| Onsite truck | 0.00015 | 0.00011 | 0.00246 | 0.00164 | < 0.000005 | < 0.000005 | 0.08671 | 0.08672 | < 0.000005 | 0.00866 | 0.00866 | — | 0.40775 | 0.40775 | 0.00003 | 0.00006 | 0.00018 | 0.42771 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05714 | 0.02240 | 1.75647 | 0.37390 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,552.82 | 1,552.82 | 0.02363 | 0.24551 | 3.65148 | 1,630.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02265 | 0.00876 | 0.74045 | 0.15202 | 0.00420 | 0.01218 | 0.17071 | 0.18289 | 0.01218 | 0.04674 | 0.05892 | — | 627.319 | 627.319 | 0.00955 | 0.09916 | 0.63292 | 657.741 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00413 | 0.00160 | 0.13513 | 0.02774 | 0.00077 | 0.00222 | 0.03115 | 0.03338 | 0.00222 | 0.00853 | 0.01075 | — | 103.860 | 103.860 | 0.00158 | 0.01642 | 0.10479 | 108.897 |

## 3.2. CC-01 Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.72287 | 0.61092 | 5.54707 | 9.27391 | 0.01457 | 0.19454 | — | 0.19454 | 0.17959 | — | 0.17959 | — | 1,499.06 | 1,499.06 | 0.06081 | 0.01216 | — | 1,504.20 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |
| Onsite truck | 0.00219 | 0.00156 | 0.03247 | 0.02196 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.06184 | 6.06184 | 0.00048 | 0.00095 | 0.00641 | 6.36396 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.72287 | 0.61092 | 5.54707 | 9.27391 | 0.01457 | 0.19454 | — | 0.19454 | 0.17959 | — | 0.17959 | — | 1,499.06 | 1,499.06 | 0.06081 | 0.01216 | — | 1,504.20 |
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |
| Onsite truck | 0.00197 | 0.00134 | 0.03450 | 0.02271 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.14645 | 6.14645 | 0.00048 | 0.00100 | 0.00017 | 6.45548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.29198 | 0.24676 | 2.24054 | 3.74586 | 0.00588 | 0.07858 | — | 0.07858 | 0.07254 | — | 0.07254 | — | 605.491 | 605.491 | 0.02456 | 0.00491 | — | 607.569 |
| Demolition | — | — | — | — | — | — | 0.38146 | 0.38146 | — | 0.05776 | 0.05776 | — | — | — | — | — | — | — |
| Onsite truck | 0.00083 | 0.00059 | 0.01349 | 0.00899 | 0.00002 | 0.00002 | 0.47514 | 0.47516 | 0.00002 | 0.04743 | 0.04745 | — | 2.46282 | 2.46282 | 0.00019 | 0.00038 | 0.00111 | 2.58337 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05329 | 0.04503 | 0.40890 | 0.68362 | 0.00107 | 0.01434 | — | 0.01434 | 0.01324 | — | 0.01324 | — | 100.246 | 100.246 | 0.00407 | 0.00081 | — | 100.590 |
| Demolition | — | — | — | — | — | — | 0.06962 | 0.06962 | — | 0.01054 | 0.01054 | — | — | — | — | — | — | — |
| Onsite truck | 0.00015 | 0.00011 | 0.00246 | 0.00164 | < 0.000005 | < 0.000005 | 0.08671 | 0.08672 | < 0.000005 | 0.00866 | 0.00866 | — | 0.40775 | 0.40775 | 0.00003 | 0.00006 | 0.00018 | 0.42771 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05714 | 0.02240 | 1.75647 | 0.37390 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,552.82 | 1,552.82 | 0.02363 | 0.24551 | 3.65148 | 1,630.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02265 | 0.00876 | 0.74045 | 0.15202 | 0.00420 | 0.01218 | 0.17071 | 0.18289 | 0.01218 | 0.04674 | 0.05892 | — | 627.319 | 627.319 | 0.00955 | 0.09916 | 0.63292 | 657.741 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00413 | 0.00160 | 0.13513 | 0.02774 | 0.00077 | 0.00222 | 0.03115 | 0.03338 | 0.00222 | 0.00853 | 0.01075 | — | 103.860 | 103.860 | 0.00158 | 0.01642 | 0.10479 | 108.897 |

## 3.3. CC-01 Demolition (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.83023 | 0.69510 | 6.50467 | 8.51792 | 0.01457 | 0.21849 | — | 0.21849 | 0.20101 | — | 0.20101 | — | 1,499.08 | 1,499.08 | 0.06081 | 0.01216 | — | 1,504.23 |
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |
| Onsite truck | 0.00192 | 0.00134 | 0.03419 | 0.02265 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.02104 | 6.02104 | 0.00043 | 0.00093 | 0.00015 | 6.31055 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.10918 | 0.09141 | 0.85541 | 1.12016 | 0.00192 | 0.02873 | — | 0.02873 | 0.02643 | — | 0.02643 | — | 197.140 | 197.140 | 0.00800 | 0.00160 | — | 197.816 |
| Demolition | — | — | — | — | — | — | 0.12420 | 0.12420 | — | 0.01881 | 0.01881 | — | — | — | — | — | — | — |
| Onsite truck | 0.00027 | 0.00019 | 0.00434 | 0.00293 | 0.00001 | 0.00001 | 0.15470 | 0.15470 | 0.00001 | 0.01544 | 0.01545 | — | 0.78535 | 0.78535 | 0.00006 | 0.00012 | 0.00033 | 0.82389 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01993 | 0.01668 | 0.15611 | 0.20443 | 0.00035 | 0.00524 | — | 0.00524 | 0.00482 | — | 0.00482 | — | 32.6387 | 32.6387 | 0.00132 | 0.00026 | — | 32.7507 |
| Demolition | — | — | — | — | — | — | 0.02267 | 0.02267 | — | 0.00343 | 0.00343 | — | — | — | — | — | — | — |
| Onsite truck | 0.00005 | 0.00004 | 0.00079 | 0.00053 | < 0.000005 | < 0.000005 | 0.02823 | 0.02823 | < 0.000005 | 0.00282 | 0.00282 | — | 0.13002 | 0.13002 | 0.00001 | 0.00002 | 0.00006 | 0.13640 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00738 | 0.00285 | 0.23419 | 0.04817 | 0.00137 | 0.00397 | 0.05558 | 0.05954 | 0.00397 | 0.01522 | 0.01918 | — | 199.509 | 199.509 | 0.00311 | 0.03096 | 0.19094 | 209.005 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00135 | 0.00052 | 0.04274 | 0.00879 | 0.00025 | 0.00072 | 0.01014 | 0.01087 | 0.00072 | 0.00278 | 0.00350 | — | 33.0310 | 33.0310 | 0.00051 | 0.00513 | 0.03161 | 34.6031 |

## 3.4. CC-01 Demolition (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69088 | 0.58413 | 5.36326 | 9.26325 | 0.01457 | 0.17108 | — | 0.17108 | 0.15801 | — | 0.15801 | — | 1,499.08 | 1,499.08 | 0.06081 | 0.01216 | — | 1,504.23 |
| Demolition | — | — | — | — | — | — | 0.94441 | 0.94441 | — | 0.14301 | 0.14301 | — | — | — | — | — | — | — |
| Onsite truck | 0.00192 | 0.00134 | 0.03419 | 0.02265 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.02104 | 6.02104 | 0.00043 | 0.00093 | 0.00015 | 6.31055 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09086 | 0.07682 | 0.70531 | 1.21818 | 0.00192 | 0.02250 | — | 0.02250 | 0.02078 | — | 0.02078 | — | 197.140 | 197.140 | 0.00800 | 0.00160 | — | 197.816 |
| Demolition | — | — | — | — | — | — | 0.12420 | 0.12420 | — | 0.01881 | 0.01881 | — | — | — | — | — | — | — |
| Onsite truck | 0.00027 | 0.00019 | 0.00434 | 0.00293 | 0.00001 | 0.00001 | 0.15470 | 0.15470 | 0.00001 | 0.01544 | 0.01545 | — | 0.78535 | 0.78535 | 0.00006 | 0.00012 | 0.00033 | 0.82389 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01658 | 0.01402 | 0.12872 | 0.22232 | 0.00035 | 0.00411 | — | 0.00411 | 0.00379 | — | 0.00379 | — | 32.6387 | 32.6387 | 0.00132 | 0.00026 | — | 32.7507 |
| Demolition | — | — | — | — | — | — | 0.02267 | 0.02267 | — | 0.00343 | 0.00343 | — | — | — | — | — | — | — |
| Onsite truck | 0.00005 | 0.00004 | 0.00079 | 0.00053 | < 0.000005 | < 0.000005 | 0.02823 | 0.02823 | < 0.000005 | 0.00282 | 0.00282 | — | 0.13002 | 0.13002 | 0.00001 | 0.00002 | 0.00006 | 0.13640 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00738 | 0.00285 | 0.23419 | 0.04817 | 0.00137 | 0.00397 | 0.05558 | 0.05954 | 0.00397 | 0.01522 | 0.01918 | — | 199.509 | 199.509 | 0.00311 | 0.03096 | 0.19094 | 209.005 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00135 | 0.00052 | 0.04274 | 0.00879 | 0.00025 | 0.00072 | 0.01014 | 0.01087 | 0.00072 | 0.00278 | 0.00350 | — | 33.0310 | 33.0310 | 0.00051 | 0.00513 | 0.03161 | 34.6031 |

## 3.5. P.II CC-01 Demo: Bunker #6 (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.71232 | 0.59621 | 5.61569 | 7.98092 | 0.01391 | 0.16683 | — | 0.16683 | 0.15348 | — | 0.15348 | — | 1,428.05 | 1,428.05 | 0.05793 | 0.01159 | — | 1,432.95 |
| Demolition | — | — | — | — | — | — | 0.16679 | 0.16679 | — | 0.02526 | 0.02526 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.71232 | 0.59621 | 5.61569 | 7.98092 | 0.01391 | 0.16683 | — | 0.16683 | 0.15348 | — | 0.15348 | — | 1,428.05 | 1,428.05 | 0.05793 | 0.01159 | — | 1,432.95 |
| Demolition | — | — | — | — | — | — | 0.16679 | 0.16679 | — | 0.02526 | 0.02526 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.16393 | 0.13721 | 1.29238 | 1.83670 | 0.00320 | 0.03839 | — | 0.03839 | 0.03532 | — | 0.03532 | — | 328.646 | 328.646 | 0.01333 | 0.00267 | — | 329.774 |
| Demolition | — | — | — | — | — | — | 0.03839 | 0.03839 | — | 0.00581 | 0.00581 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02992 | 0.02504 | 0.23586 | 0.33520 | 0.00058 | 0.00701 | — | 0.00701 | 0.00645 | — | 0.00645 | — | 54.4111 | 54.4111 | 0.00221 | 0.00044 | — | 54.5978 |
| Demolition | — | — | — | — | — | — | 0.00701 | 0.00701 | — | 0.00106 | 0.00106 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00975 | 0.00513 | 0.22776 | 0.07930 | 0.00160 | 0.00321 | 0.06107 | 0.06428 | 0.00321 | 0.01687 | 0.02008 | — | 200.789 | 200.789 | 0.00266 | 0.03012 | 0.31902 | 210.151 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00922 | 0.00478 | 0.24341 | 0.08194 | 0.00160 | 0.00321 | 0.06107 | 0.06428 | 0.00321 | 0.01687 | 0.02008 | — | 200.993 | 200.993 | 0.00266 | 0.03012 | 0.00826 | 210.045 |
| Hauling | 0.04497 | 0.02064 | 1.67128 | 0.34939 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.69 | 1,400.69 | 0.02328 | 0.22540 | 0.06656 | 1,468.50 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00220 | 0.00114 | 0.05467 | 0.01853 | 0.00037 | 0.00074 | 0.01405 | 0.01479 | 0.00074 | 0.00388 | 0.00462 | — | 46.2287 | 46.2287 | 0.00061 | 0.00693 | 0.03169 | 48.3416 |
| Hauling | 0.01051 | 0.00491 | 0.37565 | 0.07968 | 0.00239 | 0.00694 | 0.09726 | 0.10420 | 0.00694 | 0.02663 | 0.03357 | — | 322.260 | 322.260 | 0.00536 | 0.05187 | 0.25475 | 338.107 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00040 | 0.00021 | 0.00998 | 0.00338 | 0.00007 | 0.00013 | 0.00256 | 0.00270 | 0.00013 | 0.00071 | 0.00084 | — | 7.65368 | 7.65368 | 0.00010 | 0.00115 | 0.00525 | 8.00350 |
| Hauling | 0.00192 | 0.00090 | 0.06856 | 0.01454 | 0.00044 | 0.00127 | 0.01775 | 0.01902 | 0.00127 | 0.00486 | 0.00613 | — | 53.3538 | 53.3538 | 0.00089 | 0.00859 | 0.04218 | 55.9774 |

## 3.6. P.II CC-01 Demo: Bunker #6 (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.58855 | 0.49834 | 4.71768 | 8.74478 | 0.01391 | 0.12792 | — | 0.12792 | 0.11830 | — | 0.11830 | — | 1,428.05 | 1,428.05 | 0.05793 | 0.01159 | — | 1,432.95 |
| Demolition | — | — | — | — | — | — | 0.16679 | 0.16679 | — | 0.02526 | 0.02526 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.58855 | 0.49834 | 4.71768 | 8.74478 | 0.01391 | 0.12792 | — | 0.12792 | 0.11830 | — | 0.11830 | — | 1,428.05 | 1,428.05 | 0.05793 | 0.01159 | — | 1,432.95 |
| Demolition | — | — | — | — | — | — | 0.16679 | 0.16679 | — | 0.02526 | 0.02526 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.13545 | 0.11469 | 1.08571 | 2.01250 | 0.00320 | 0.02944 | — | 0.02944 | 0.02723 | — | 0.02723 | — | 328.646 | 328.646 | 0.01333 | 0.00267 | — | 329.774 |
| Demolition | — | — | — | — | — | — | 0.03839 | 0.03839 | — | 0.00581 | 0.00581 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02472 | 0.02093 | 0.19814 | 0.36728 | 0.00058 | 0.00537 | — | 0.00537 | 0.00497 | — | 0.00497 | — | 54.4111 | 54.4111 | 0.00221 | 0.00044 | — | 54.5978 |
| Demolition | — | — | — | — | — | — | 0.00701 | 0.00701 | — | 0.00106 | 0.00106 | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00975 | 0.00513 | 0.22776 | 0.07930 | 0.00160 | 0.00321 | 0.06107 | 0.06428 | 0.00321 | 0.01687 | 0.02008 | — | 200.789 | 200.789 | 0.00266 | 0.03012 | 0.31902 | 210.151 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00922 | 0.00478 | 0.24341 | 0.08194 | 0.00160 | 0.00321 | 0.06107 | 0.06428 | 0.00321 | 0.01687 | 0.02008 | — | 200.993 | 200.993 | 0.00266 | 0.03012 | 0.00826 | 210.045 |
| Hauling | 0.04497 | 0.02064 | 1.67128 | 0.34939 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.69 | 1,400.69 | 0.02328 | 0.22540 | 0.06656 | 1,468.50 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00220 | 0.00114 | 0.05467 | 0.01853 | 0.00037 | 0.00074 | 0.01405 | 0.01479 | 0.00074 | 0.00388 | 0.00462 | — | 46.2287 | 46.2287 | 0.00061 | 0.00693 | 0.03169 | 48.3416 |
| Hauling | 0.01051 | 0.00491 | 0.37565 | 0.07968 | 0.00239 | 0.00694 | 0.09726 | 0.10420 | 0.00694 | 0.02663 | 0.03357 | — | 322.260 | 322.260 | 0.00536 | 0.05187 | 0.25475 | 338.107 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00040 | 0.00021 | 0.00998 | 0.00338 | 0.00007 | 0.00013 | 0.00256 | 0.00270 | 0.00013 | 0.00071 | 0.00084 | — | 7.65368 | 7.65368 | 0.00010 | 0.00115 | 0.00525 | 8.00350 |
| Hauling | 0.00192 | 0.00090 | 0.06856 | 0.01454 | 0.00044 | 0.00127 | 0.01775 | 0.01902 | 0.00127 | 0.00486 | 0.00613 | — | 53.3538 | 53.3538 | 0.00089 | 0.00859 | 0.04218 | 55.9774 |

## 3.7. CC-02 Preconstruction & Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 3.04025 | 2.54737 | 22.7801 | 22.9144 | 0.04072 | 0.97167 | — | 0.97167 | 0.89394 | — | 0.89394 | — | 4,186.49 | 4,186.49 | 0.16982 | 0.03396 | — | 4,200.85 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00197 | 0.00134 | 0.03450 | 0.02271 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.14645 | 6.14645 | 0.00048 | 0.00100 | 0.00017 | 6.45548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09995 | 0.08375 | 0.74893 | 0.75335 | 0.00134 | 0.03195 | — | 0.03195 | 0.02939 | — | 0.02939 | — | 137.638 | 137.638 | 0.00558 | 0.00112 | — | 138.110 |
| Dust From Material Movement | — | — | — | — | — | — | 0.33620 | 0.33620 | — | 0.16748 | 0.16748 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00007 | 0.00005 | 0.00110 | 0.00073 | < 0.000005 | < 0.000005 | 0.03867 | 0.03868 | < 0.000005 | 0.00386 | 0.00386 | — | 0.20046 | 0.20046 | 0.00002 | 0.00003 | 0.00009 | 0.21027 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01824 | 0.01528 | 0.13668 | 0.13749 | 0.00024 | 0.00583 | — | 0.00583 | 0.00536 | — | 0.00536 | — | 22.7875 | 22.7875 | 0.00092 | 0.00018 | — | 22.8657 |
| Dust From Material Movement | — | — | — | — | — | — | 0.06136 | 0.06136 | — | 0.03056 | 0.03056 | — | — | — | — | — | — | — |
| Onsite truck | 0.00001 | 0.00001 | 0.00020 | 0.00013 | < 0.000005 | < 0.000005 | 0.00706 | 0.00706 | < 0.000005 | 0.00070 | 0.00070 | — | 0.03319 | 0.03319 | < 0.000005 | 0.00001 | 0.00001 | 0.03481 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.8. CC-02 Preconstruction & Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.46180 | 1.25817 | 10.0648 | 23.1628 | 0.04072 | 0.40876 | — | 0.40876 | 0.37978 | — | 0.37978 | — | 4,186.49 | 4,186.49 | 0.16982 | 0.03396 | — | 4,200.85 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00197 | 0.00134 | 0.03450 | 0.02271 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.14645 | 6.14645 | 0.00048 | 0.00100 | 0.00017 | 6.45548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04806 | 0.04136 | 0.33090 | 0.76152 | 0.00134 | 0.01344 | — | 0.01344 | 0.01249 | — | 0.01249 | — | 137.638 | 137.638 | 0.00558 | 0.00112 | — | 138.110 |
| Dust From Material Movement | — | — | — | — | — | — | 0.33620 | 0.33620 | — | 0.16748 | 0.16748 | — | — | — | — | — | — | — |
| Onsite truck | 0.00007 | 0.00005 | 0.00110 | 0.00073 | < 0.000005 | < 0.000005 | 0.03867 | 0.03868 | < 0.000005 | 0.00386 | 0.00386 | — | 0.20046 | 0.20046 | 0.00002 | 0.00003 | 0.00009 | 0.21027 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.00877 | 0.00755 | 0.06039 | 0.13898 | 0.00024 | 0.00245 | — | 0.00245 | 0.00228 | — | 0.00228 | — | 22.7875 | 22.7875 | 0.00092 | 0.00018 | — | 22.8657 |
| Dust From Material Movement | — | — | — | — | — | — | 0.06136 | 0.06136 | — | 0.03056 | 0.03056 | — | — | — | — | — | — | — |
| Onsite truck | 0.00001 | 0.00001 | 0.00020 | 0.00013 | < 0.000005 | < 0.000005 | 0.00706 | 0.00706 | < 0.000005 | 0.00070 | 0.00070 | — | 0.03319 | 0.03319 | < 0.000005 | 0.00001 | 0.00001 | 0.03481 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.9. CC-02 Preconstruction & Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.93819 | 2.46181 | 21.7926 | 22.6249 | 0.04072 | 0.90638 | — | 0.90638 | 0.83387 | — | 0.83387 | — | 4,186.80 | 4,186.80 | 0.16984 | 0.03397 | — | 4,201.17 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00214 | 0.00152 | 0.03216 | 0.02194 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 5.93642 | 5.93642 | 0.00048 | 0.00093 | 0.00590 | 6.23279 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.93819 | 2.46181 | 21.7926 | 22.6249 | 0.04072 | 0.90638 | — | 0.90638 | 0.83387 | — | 0.83387 | — | 4,186.80 | 4,186.80 | 0.16984 | 0.03397 | — | 4,201.17 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00192 | 0.00134 | 0.03419 | 0.02265 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.02104 | 6.02104 | 0.00043 | 0.00093 | 0.00015 | 6.31055 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.82108 | 0.68796 | 6.08999 | 6.32259 | 0.01138 | 0.25329 | — | 0.25329 | 0.23303 | — | 0.23303 | — | 1,170.01 | 1,170.01 | 0.04746 | 0.00949 | — | 1,174.03 |
| Dust From Material Movement | — | — | — | — | — | — | 2.85773 | 2.85773 | — | 1.42357 | 1.42357 | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00057 | 0.00041 | 0.00923 | 0.00622 | 0.00002 | 0.00001 | 0.32873 | 0.32875 | 0.00001 | 0.03282 | 0.03283 | — | 1.66888 | 1.66888 | 0.00013 | 0.00026 | 0.00071 | 1.75076 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.14985 | 0.12555 | 1.11142 | 1.15387 | 0.00208 | 0.04623 | — | 0.04623 | 0.04253 | — | 0.04253 | — | 193.709 | 193.709 | 0.00786 | 0.00157 | — | 194.373 |
| Dust From Material Movement | — | — | — | — | — | — | 0.52154 | 0.52154 | — | 0.25980 | 0.25980 | — | — | — | — | — | — | — |
| Onsite truck | 0.00010 | 0.00008 | 0.00168 | 0.00113 | < 0.000005 | < 0.000005 | 0.05999 | 0.06000 | < 0.000005 | 0.00599 | 0.00599 | — | 0.27630 | 0.27630 | 0.00002 | 0.00004 | 0.00012 | 0.28986 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01567 | 0.00606 | 0.49765 | 0.10237 | 0.00291 | 0.00843 | 0.11810 | 0.12653 | 0.00843 | 0.03234 | 0.04076 | — | 423.956 | 423.956 | 0.00660 | 0.06580 | 0.40575 | 444.135 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00286 | 0.00111 | 0.09082 | 0.01868 | 0.00053 | 0.00154 | 0.02155 | 0.02309 | 0.00154 | 0.00590 | 0.00744 | — | 70.1908 | 70.1908 | 0.00109 | 0.01089 | 0.06718 | 73.5316 |

## 3.10. CC-02 Preconstruction & Site Preparation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.40829 | 1.21340 | 9.65622 | 23.1511 | 0.04072 | 0.37159 | — | 0.37159 | 0.34559 | — | 0.34559 | — | 4,186.80 | 4,186.80 | 0.16984 | 0.03397 | — | 4,201.17 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00214 | 0.00152 | 0.03216 | 0.02194 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 5.93642 | 5.93642 | 0.00048 | 0.00093 | 0.00590 | 6.23279 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.40829 | 1.21340 | 9.65622 | 23.1511 | 0.04072 | 0.37159 | — | 0.37159 | 0.34559 | — | 0.34559 | — | 4,186.80 | 4,186.80 | 0.16984 | 0.03397 | — | 4,201.17 |
| Dust From Material Movement | — | — | — | — | — | — | 10.2262 | 10.2262 | — | 5.09416 | 5.09416 | — | — | — | — | — | — | — |
| Onsite truck | 0.00192 | 0.00134 | 0.03419 | 0.02265 | 0.00006 | 0.00005 | 1.17763 | 1.17768 | 0.00005 | 0.11756 | 0.11761 | — | 6.02104 | 6.02104 | 0.00043 | 0.00093 | 0.00015 | 6.31055 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.39355 | 0.33909 | 2.69845 | 6.46962 | 0.01138 | 0.10384 | — | 0.10384 | 0.09657 | — | 0.09657 | — | 1,170.01 | 1,170.01 | 0.04746 | 0.00949 | — | 1,174.03 |
| Dust From Material Movement | — | — | — | — | — | — | 2.85773 | 2.85773 | — | 1.42357 | 1.42357 | — | — | — | — | — | — | — |
| Onsite truck | 0.00057 | 0.00041 | 0.00923 | 0.00622 | 0.00002 | 0.00001 | 0.32873 | 0.32875 | 0.00001 | 0.03282 | 0.03283 | — | 1.66888 | 1.66888 | 0.00013 | 0.00026 | 0.00071 | 1.75076 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07182 | 0.06188 | 0.49247 | 1.18071 | 0.00208 | 0.01895 | — | 0.01895 | 0.01762 | — | 0.01762 | — | 193.709 | 193.709 | 0.00786 | 0.00157 | — | 194.373 |
| Dust From Material Movement | — | — | — | — | — | — | 0.52154 | 0.52154 | — | 0.25980 | 0.25980 | — | — | — | — | — | — | — |
| Onsite truck | 0.00010 | 0.00008 | 0.00168 | 0.00113 | < 0.000005 | < 0.000005 | 0.05999 | 0.06000 | < 0.000005 | 0.00599 | 0.00599 | — | 0.27630 | 0.27630 | 0.00002 | 0.00004 | 0.00012 | 0.28986 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01567 | 0.00606 | 0.49765 | 0.10237 | 0.00291 | 0.00843 | 0.11810 | 0.12653 | 0.00843 | 0.03234 | 0.04076 | — | 423.956 | 423.956 | 0.00660 | 0.06580 | 0.40575 | 444.135 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00286 | 0.00111 | 0.09082 | 0.01868 | 0.00053 | 0.00154 | 0.02155 | 0.02309 | 0.00154 | 0.00590 | 0.00744 | — | 70.1908 | 70.1908 | 0.00109 | 0.01089 | 0.06718 | 73.5316 |

## 3.11. CC-03 BERTH 3/4 Marine Piling & Dock Upgrade (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.99549 | 0.83143 | 7.58502 | 7.88478 | 0.01776 | 0.27358 | — | 0.27358 | 0.25169 | — | 0.25169 | — | 1,766.46 | 1,766.46 | 0.07166 | 0.01433 | — | 1,772.52 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.99549 | 0.83143 | 7.58502 | 7.88478 | 0.01776 | 0.27358 | — | 0.27358 | 0.25169 | — | 0.25169 | — | 1,766.46 | 1,766.46 | 0.07166 | 0.01433 | — | 1,772.52 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.37638 | 0.31435 | 2.86776 | 2.98109 | 0.00672 | 0.10344 | — | 0.10344 | 0.09516 | — | 0.09516 | — | 667.866 | 667.866 | 0.02709 | 0.00542 | — | 670.158 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06869 | 0.05737 | 0.52337 | 0.54405 | 0.00123 | 0.01888 | — | 0.01888 | 0.01737 | — | 0.01737 | — | 110.573 | 110.573 | 0.00449 | 0.00090 | — | 110.952 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.85222 | 0.18193 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.407 | 758.407 | 0.01182 | 0.11773 | 1.68198 | 795.467 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01060 | 0.00410 | 0.33665 | 0.06925 | 0.00197 | 0.00570 | 0.07989 | 0.08560 | 0.00570 | 0.02187 | 0.02758 | — | 286.794 | 286.794 | 0.00447 | 0.04451 | 0.27448 | 300.444 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00193 | 0.00075 | 0.06144 | 0.01264 | 0.00036 | 0.00104 | 0.01458 | 0.01562 | 0.00104 | 0.00399 | 0.00503 | — | 47.4820 | 47.4820 | 0.00074 | 0.00737 | 0.04544 | 49.7420 |

## 3.12. CC-03 BERTH 3/4 Marine Piling & Dock Upgrade (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.63944 | 0.54791 | 4.66873 | 9.78909 | 0.01776 | 0.15245 | — | 0.15245 | 0.14183 | — | 0.14183 | — | 1,766.46 | 1,766.46 | 0.07166 | 0.01433 | — | 1,772.52 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.63944 | 0.54791 | 4.66873 | 9.78909 | 0.01776 | 0.15245 | — | 0.15245 | 0.14183 | — | 0.14183 | — | 1,766.46 | 1,766.46 | 0.07166 | 0.01433 | — | 1,772.52 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.24176 | 0.20715 | 1.76516 | 3.70108 | 0.00672 | 0.05764 | — | 0.05764 | 0.05362 | — | 0.05362 | — | 667.866 | 667.866 | 0.02709 | 0.00542 | — | 670.158 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.04412 | 0.03781 | 0.32214 | 0.67545 | 0.00123 | 0.01052 | — | 0.01052 | 0.00979 | — | 0.00979 | — | 110.573 | 110.573 | 0.00449 | 0.00090 | — | 110.952 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.85222 | 0.18193 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.407 | 758.407 | 0.01182 | 0.11773 | 1.68198 | 795.467 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01060 | 0.00410 | 0.33665 | 0.06925 | 0.00197 | 0.00570 | 0.07989 | 0.08560 | 0.00570 | 0.02187 | 0.02758 | — | 286.794 | 286.794 | 0.00447 | 0.04451 | 0.27448 | 300.444 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00193 | 0.00075 | 0.06144 | 0.01264 | 0.00036 | 0.00104 | 0.01458 | 0.01562 | 0.00104 | 0.00399 | 0.00503 | — | 47.4820 | 47.4820 | 0.00074 | 0.00737 | 0.04544 | 49.7420 |

## 3.13. CC-05 Landside Piling / Ground Improvements (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.56851 | 2.15302 | 17.0807 | 18.4196 | 0.05862 | 0.64913 | — | 0.64913 | 0.59720 | — | 0.59720 | — | 6,189.58 | 6,189.58 | 0.25108 | 0.05022 | — | 6,210.82 |
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08444 | 0.07078 | 0.56156 | 0.60558 | 0.00193 | 0.02134 | — | 0.02134 | 0.01963 | — | 0.01963 | — | 203.493 | 203.493 | 0.00825 | 0.00165 | — | 204.191 |
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01541 | 0.01292 | 0.10248 | 0.11052 | 0.00035 | 0.00389 | — | 0.00389 | 0.00358 | — | 0.00358 | — | 33.6906 | 33.6906 | 0.00137 | 0.00027 | — | 33.8062 |
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.14. CC-05 Landside Piling / Ground Improvements (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.10347 | 1.00573 | 6.71417 | 31.7146 | 0.05862 | 0.26154 | — | 0.26154 | 0.24900 | — | 0.24900 | — | 6,189.58 | 6,189.58 | 0.25108 | 0.05022 | — | 6,210.82 |
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03628 | 0.03307 | 0.22074 | 1.04267 | 0.00193 | 0.00860 | — | 0.00860 | 0.00819 | — | 0.00819 | — | 203.493 | 203.493 | 0.00825 | 0.00165 | — | 204.191 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00662 | 0.00603 | 0.04029 | 0.19029 | 0.00035 | 0.00157 | — | 0.00157 | 0.00149 | — | 0.00149 | — | 33.6906 | 33.6906 | 0.00137 | 0.00027 | — | 33.8062 |
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.15. CC-05 Landside Piling / Ground Improvements (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.53685 | 2.12660 | 16.4749 | 18.3947 | 0.05862 | 0.61843 | — | 0.61843 | 0.56896 | — | 0.56896 | — | 6,189.57 | 6,189.57 | 0.25108 | 0.05022 | — | 6,210.81 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.53685 | 2.12660 | 16.4749 | 18.3947 | 0.05862 | 0.61843 | — | 0.61843 | 0.56896 | — | 0.56896 | — | 6,189.57 | 6,189.57 | 0.25108 | 0.05022 | — | 6,210.81 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.03062 | 0.86396 | 6.69315 | 7.47308 | 0.02382 | 0.25125 | — | 0.25125 | 0.23115 | — | 0.23115 | — | 2,514.59 | 2,514.59 | 0.10200 | 0.02040 | — | 2,523.22 |
| Onsite truck | 0.00042 | 0.00030 | 0.00671 | 0.00452 | 0.00001 | 0.00001 | 0.23895 | 0.23896 | 0.00001 | 0.02385 | 0.02387 | — | 1.21309 | 1.21309 | 0.00010 | 0.00019 | 0.00052 | 1.27261 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.18809 | 0.15767 | 1.22150 | 1.36384 | 0.00435 | 0.04585 | — | 0.04585 | 0.04218 | — | 0.04218 | — | 416.319 | 416.319 | 0.01689 | 0.00338 | — | 417.747 |
| Onsite truck | 0.00008 | 0.00005 | 0.00122 | 0.00082 | < 0.000005 | < 0.000005 | 0.04361 | 0.04361 | < 0.000005 | 0.00435 | 0.00436 | — | 0.20084 | 0.20084 | 0.00002 | 0.00003 | 0.00009 | 0.21070 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02279 | 0.00881 | 0.72347 | 0.14882 | 0.00423 | 0.01225 | 0.17170 | 0.18395 | 0.01225 | 0.04701 | 0.05926 | — | 616.340 | 616.340 | 0.00960 | 0.09566 | 0.58988 | 645.675 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00416 | 0.00161 | 0.13203 | 0.02716 | 0.00077 | 0.00224 | 0.03133 | 0.03357 | 0.00224 | 0.00858 | 0.01082 | — | 102.042 | 102.042 | 0.00159 | 0.01584 | 0.09766 | 106.899 |

## 3.16. CC-05 Landside Piling / Ground Improvements (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 1.07482 | 0.98184 | 6.56976 | 31.6934 | 0.05862 | 0.24333 | — | 0.24333 | 0.23226 | — | 0.23226 | — | 6,189.57 | 6,189.57 | 0.25108 | 0.05022 | — | 6,210.81 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07482 | 0.98184 | 6.56976 | 31.6934 | 0.05862 | 0.24333 | — | 0.24333 | 0.23226 | — | 0.23226 | — | 6,189.57 | 6,189.57 | 0.25108 | 0.05022 | — | 6,210.81 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43666 | 0.39888 | 2.66904 | 12.8758 | 0.02382 | 0.09886 | — | 0.09886 | 0.09436 | — | 0.09436 | — | 2,514.59 | 2,514.59 | 0.10200 | 0.02040 | — | 2,523.22 |
| Onsite truck | 0.00042 | 0.00030 | 0.00671 | 0.00452 | 0.00001 | 0.00001 | 0.23895 | 0.23896 | 0.00001 | 0.02385 | 0.02387 | — | 1.21309 | 1.21309 | 0.00010 | 0.00019 | 0.00052 | 1.27261 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07969 | 0.07280 | 0.48710 | 2.34984 | 0.00435 | 0.01804 | — | 0.01804 | 0.01722 | — | 0.01722 | — | 416.319 | 416.319 | 0.01689 | 0.00338 | — | 417.747 |
| Onsite truck | 0.00008 | 0.00005 | 0.00122 | 0.00082 | < 0.000005 | < 0.000005 | 0.04361 | 0.04361 | < 0.000005 | 0.00435 | 0.00436 | — | 0.20084 | 0.20084 | 0.00002 | 0.00003 | 0.00009 | 0.21070 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02279 | 0.00881 | 0.72347 | 0.14882 | 0.00423 | 0.01225 | 0.17170 | 0.18395 | 0.01225 | 0.04701 | 0.05926 | — | 616.340 | 616.340 | 0.00960 | 0.09566 | 0.58988 | 645.675 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00416 | 0.00161 | 0.13203 | 0.02716 | 0.00077 | 0.00224 | 0.03133 | 0.03357 | 0.00224 | 0.00858 | 0.01082 | — | 102.042 | 102.042 | 0.00159 | 0.01584 | 0.09766 | 106.899 |

## 3.17. CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.79248 | 0.65832 | 6.08297 | 6.78081 | 0.01197 | 0.19260 | — | 0.19260 | 0.17719 | — | 0.17719 | — | 1,060.68 | 1,060.68 | 0.04303 | 0.00861 | — | 1,064.32 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.79248 | 0.65832 | 6.08297 | 6.78081 | 0.01197 | 0.19260 | — | 0.19260 | 0.17719 | — | 0.17719 | — | 1,060.68 | 1,060.68 | 0.04303 | 0.00861 | — | 1,064.32 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.21030 | 0.17469 | 1.61419 | 1.79937 | 0.00318 | 0.05111 | — | 0.05111 | 0.04702 | — | 0.04702 | — | 281.465 | 281.465 | 0.01142 | 0.00228 | — | 282.431 |
| Onsite truck | 0.00027 | 0.00020 | 0.00438 | 0.00295 | 0.00001 | 0.00001 | 0.15608 | 0.15608 | 0.00001 | 0.01558 | 0.01559 | — | 0.79237 | 0.79237 | 0.00006 | 0.00012 | 0.00034 | 0.83124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.03838 | 0.03188 | 0.29459 | 0.32838 | 0.00058 | 0.00933 | — | 0.00933 | 0.00858 | — | 0.00858 | — | 46.5997 | 46.5997 | 0.00189 | 0.00038 | — | 46.7596 |
| Onsite truck | 0.00005 | 0.00004 | 0.00080 | 0.00054 | < 0.000005 | < 0.000005 | 0.02848 | 0.02849 | < 0.000005 | 0.00284 | 0.00284 | — | 0.13119 | 0.13119 | 0.00001 | 0.00002 | 0.00006 | 0.13762 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.85222 | 0.18193 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.407 | 758.407 | 0.01182 | 0.11773 | 1.68198 | 795.467 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00744 | 0.00288 | 0.23628 | 0.04860 | 0.00138 | 0.00400 | 0.05607 | 0.06008 | 0.00400 | 0.01535 | 0.01935 | — | 201.290 | 201.290 | 0.00314 | 0.03124 | 0.19265 | 210.871 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00136 | 0.00053 | 0.04312 | 0.00887 | 0.00025 | 0.00073 | 0.01023 | 0.01096 | 0.00073 | 0.00280 | 0.00353 | — | 33.3259 | 33.3259 | 0.00052 | 0.00517 | 0.03190 | 34.9121 |

## 3.18. CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.79248 | 0.65832 | 6.08297 | 6.78081 | 0.01197 | 0.19260 | — | 0.19260 | 0.17719 | — | 0.17719 | — | 1,060.68 | 1,060.68 | 0.04303 | 0.00861 | — | 1,064.32 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.79248 | 0.65832 | 6.08297 | 6.78081 | 0.01197 | 0.19260 | — | 0.19260 | 0.17719 | — | 0.17719 | — | 1,060.68 | 1,060.68 | 0.04303 | 0.00861 | — | 1,064.32 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.21030 | 0.17469 | 1.61419 | 1.79937 | 0.00318 | 0.05111 | — | 0.05111 | 0.04702 | — | 0.04702 | — | 281.465 | 281.465 | 0.01142 | 0.00228 | — | 282.431 |
| Onsite truck | 0.00027 | 0.00020 | 0.00438 | 0.00295 | 0.00001 | 0.00001 | 0.15608 | 0.15608 | 0.00001 | 0.01558 | 0.01559 | — | 0.79237 | 0.79237 | 0.00006 | 0.00012 | 0.00034 | 0.83124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03838 | 0.03188 | 0.29459 | 0.32838 | 0.00058 | 0.00933 | — | 0.00933 | 0.00858 | — | 0.00858 | — | 46.5997 | 46.5997 | 0.00189 | 0.00038 | — | 46.7596 |
| Onsite truck | 0.00005 | 0.00004 | 0.00080 | 0.00054 | < 0.000005 | < 0.000005 | 0.02848 | 0.02849 | < 0.000005 | 0.00284 | 0.00284 | — | 0.13119 | 0.13119 | 0.00001 | 0.00002 | 0.00006 | 0.13762 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.85222 | 0.18193 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.407 | 758.407 | 0.01182 | 0.11773 | 1.68198 | 795.467 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00744 | 0.00288 | 0.23628 | 0.04860 | 0.00138 | 0.00400 | 0.05607 | 0.06008 | 0.00400 | 0.01535 | 0.01935 | — | 201.290 | 201.290 | 0.00314 | 0.03124 | 0.19265 | 210.871 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00136 | 0.00053 | 0.04312 | 0.00887 | 0.00025 | 0.00073 | 0.01023 | 0.01096 | 0.00073 | 0.00280 | 0.00353 | — | 33.3259 | 33.3259 | 0.00052 | 0.00517 | 0.03190 | 34.9121 |

## 3.19. CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.76953 | 0.63926 | 5.97946 | 6.76606 | 0.01196 | 0.17781 | — | 0.17781 | 0.16359 | — | 0.16359 | — | 1,060.44 | 1,060.44 | 0.04302 | 0.00860 | — | 1,064.08 |
| Onsite truck | 0.00107 | 0.00076 | 0.01586 | 0.01096 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.90459 | 2.90459 | 0.00022 | 0.00047 | 0.00271 | 3.05198 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.76953 | 0.63926 | 5.97946 | 6.76606 | 0.01196 | 0.17781 | — | 0.17781 | 0.16359 | — | 0.16359 | — | 1,060.44 | 1,060.44 | 0.04302 | 0.00860 | — | 1,064.08 |
| Onsite truck | 0.00096 | 0.00067 | 0.01690 | 0.01131 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.94679 | 2.94679 | 0.00022 | 0.00047 | 0.00007 | 3.09154 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20963 | 0.17414 | 1.62885 | 1.84312 | 0.00326 | 0.04844 | — | 0.04844 | 0.04456 | — | 0.04456 | — | 288.873 | 288.873 | 0.01172 | 0.00234 | — | 289.864 |
| Onsite truck | 0.00028 | 0.00019 | 0.00445 | 0.00302 | 0.00001 | 0.00001 | 0.16022 | 0.16023 | 0.00001 | 0.01599 | 0.01600 | — | 0.79606 | 0.79606 | 0.00006 | 0.00013 | 0.00032 | 0.83579 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.03826 | 0.03178 | 0.29726 | 0.33637 | 0.00059 | 0.00884 | — | 0.00884 | 0.00813 | — | 0.00813 | — | 47.8261 | 47.8261 | 0.00194 | 0.00039 | — | 47.9903 |
| Onsite truck | 0.00005 | 0.00004 | 0.00081 | 0.00055 | < 0.000005 | < 0.000005 | 0.02924 | 0.02924 | < 0.000005 | 0.00292 | 0.00292 | — | 0.13180 | 0.13180 | 0.00001 | 0.00002 | 0.00005 | 0.13837 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.82568 | 0.17690 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 738.981 | 738.981 | 0.01164 | 0.11773 | 1.54541 | 775.900 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.88352 | 0.17972 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 739.319 | 739.319 | 0.01164 | 0.11773 | 0.04004 | 774.732 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00764 | 0.00291 | 0.23537 | 0.04848 | 0.00142 | 0.00411 | 0.05756 | 0.06167 | 0.00411 | 0.01576 | 0.01987 | — | 201.342 | 201.342 | 0.00317 | 0.03207 | 0.18151 | 211.160 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00139 | 0.00053 | 0.04295 | 0.00885 | 0.00026 | 0.00075 | 0.01051 | 0.01126 | 0.00075 | 0.00288 | 0.00363 | — | 33.3345 | 33.3345 | 0.00052 | 0.00531 | 0.03005 | 34.9599 |

## 3.20. CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.76953 | 0.63926 | 5.97946 | 6.76606 | 0.01196 | 0.17781 | — | 0.17781 | 0.16359 | — | 0.16359 | — | 1,060.44 | 1,060.44 | 0.04302 | 0.00860 | — | 1,064.08 |
| Onsite truck | 0.00107 | 0.00076 | 0.01586 | 0.01096 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.90459 | 2.90459 | 0.00022 | 0.00047 | 0.00271 | 3.05198 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.76953 | 0.63926 | 5.97946 | 6.76606 | 0.01196 | 0.17781 | — | 0.17781 | 0.16359 | — | 0.16359 | — | 1,060.44 | 1,060.44 | 0.04302 | 0.00860 | — | 1,064.08 |
| Onsite truck | 0.00096 | 0.00067 | 0.01690 | 0.01131 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.94679 | 2.94679 | 0.00022 | 0.00047 | 0.00007 | 3.09154 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20963 | 0.17414 | 1.62885 | 1.84312 | 0.00326 | 0.04844 | — | 0.04844 | 0.04456 | — | 0.04456 | — | 288.873 | 288.873 | 0.01172 | 0.00234 | — | 289.864 |
| Onsite truck | 0.00028 | 0.00019 | 0.00445 | 0.00302 | 0.00001 | 0.00001 | 0.16022 | 0.16023 | 0.00001 | 0.01599 | 0.01600 | — | 0.79606 | 0.79606 | 0.00006 | 0.00013 | 0.00032 | 0.83579 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03826 | 0.03178 | 0.29726 | 0.33637 | 0.00059 | 0.00884 | — | 0.00884 | 0.00813 | — | 0.00813 | — | 47.8261 | 47.8261 | 0.00194 | 0.00039 | — | 47.9903 |
| Onsite truck | 0.00005 | 0.00004 | 0.00081 | 0.00055 | < 0.000005 | < 0.000005 | 0.02924 | 0.02924 | < 0.000005 | 0.00292 | 0.00292 | — | 0.13180 | 0.13180 | 0.00001 | 0.00002 | 0.00005 | 0.13837 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02840 | 0.01102 | 0.82568 | 0.17690 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 738.981 | 738.981 | 0.01164 | 0.11773 | 1.54541 | 775.900 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02751 | 0.01032 | 0.88352 | 0.17972 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 739.319 | 739.319 | 0.01164 | 0.11773 | 0.04004 | 774.732 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00764 | 0.00291 | 0.23537 | 0.04848 | 0.00142 | 0.00411 | 0.05756 | 0.06167 | 0.00411 | 0.01576 | 0.01987 | — | 201.342 | 201.342 | 0.00317 | 0.03207 | 0.18151 | 211.160 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00139 | 0.00053 | 0.04295 | 0.00885 | 0.00026 | 0.00075 | 0.01051 | 0.01126 | 0.00075 | 0.00288 | 0.00363 | — | 33.3345 | 33.3345 | 0.00052 | 0.00531 | 0.03005 | 34.9599 |

## 3.21. CC-11 Dome Construction (2027) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 2.08434 | 1.74540 | 14.1977 | 17.2595 | 0.04721 | 0.49522 | — | 0.49522 | 0.45560 | — | 0.45560 | — | 4,919.71 | 4,919.71 | 0.19956 | 0.03991 | — | 4,936.59 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.08434 | 1.74540 | 14.1977 | 17.2595 | 0.04721 | 0.49522 | — | 0.49522 | 0.45560 | — | 0.45560 | — | 4,919.71 | 4,919.71 | 0.19956 | 0.03991 | — | 4,936.59 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84189 | 0.70499 | 5.73465 | 6.97136 | 0.01907 | 0.20003 | — | 0.20003 | 0.18402 | — | 0.18402 | — | 1,987.14 | 1,987.14 | 0.08061 | 0.01612 | — | 1,993.96 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15365 | 0.12866 | 1.04657 | 1.27227 | 0.00348 | 0.03650 | — | 0.03650 | 0.03358 | — | 0.03358 | — | 328.993 | 328.993 | 0.01335 | 0.00267 | — | 330.122 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04259 | 0.01653 | 1.27833 | 0.27289 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,137.61 | 1,137.61 | 0.01773 | 0.17659 | 2.52297 | 1,193.20 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04127 | 0.01548 | 1.36484 | 0.27712 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,138.12 | 1,138.12 | 0.01746 | 0.17659 | 0.06534 | 1,191.24 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01699 | 0.00657 | 0.53947 | 0.11097 | 0.00315 | 0.00914 | 0.12803 | 0.13717 | 0.00914 | 0.03505 | 0.04419 | — | 459.583 | 459.583 | 0.00716 | 0.07133 | 0.43985 | 481.457 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00310 | 0.00120 | 0.09845 | 0.02025 | 0.00058 | 0.00167 | 0.02337 | 0.02503 | 0.00167 | 0.00640 | 0.00806 | — | 76.0892 | 76.0892 | 0.00119 | 0.01181 | 0.07282 | 79.7107 |

## 3.22. CC-11 Dome Construction (2027) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72013 | 1.45308 | 11.0704 | 18.3552 | 0.04721 | 0.34298 | — | 0.34298 | 0.31692 | — | 0.31692 | — | 4,919.71 | 4,919.71 | 0.19956 | 0.03991 | — | 4,936.59 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 1.72013 | 1.45308 | 11.0704 | 18.3552 | 0.04721 | 0.34298 | — | 0.34298 | 0.31692 | — | 0.31692 | — | 4,919.71 | 4,919.71 | 0.19956 | 0.03991 | — | 4,936.59 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69478 | 0.58692 | 4.47148 | 7.41394 | 0.01907 | 0.13854 | — | 0.13854 | 0.12801 | — | 0.12801 | — | 1,987.14 | 1,987.14 | 0.08061 | 0.01612 | — | 1,993.96 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12680 | 0.10711 | 0.81605 | 1.35304 | 0.00348 | 0.02528 | — | 0.02528 | 0.02336 | — | 0.02336 | — | 328.993 | 328.993 | 0.01335 | 0.00267 | — | 330.122 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04259 | 0.01653 | 1.27833 | 0.27289 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,137.61 | 1,137.61 | 0.01773 | 0.17659 | 2.52297 | 1,193.20 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04127 | 0.01548 | 1.36484 | 0.27712 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,138.12 | 1,138.12 | 0.01746 | 0.17659 | 0.06534 | 1,191.24 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01699 | 0.00657 | 0.53947 | 0.11097 | 0.00315 | 0.00914 | 0.12803 | 0.13717 | 0.00914 | 0.03505 | 0.04419 | — | 459.583 | 459.583 | 0.00716 | 0.07133 | 0.43985 | 481.457 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00310 | 0.00120 | 0.09845 | 0.02025 | 0.00058 | 0.00167 | 0.02337 | 0.02503 | 0.00167 | 0.00640 | 0.00806 | — | 76.0892 | 76.0892 | 0.00119 | 0.01181 | 0.07282 | 79.7107 |

## 3.23. CC-11 Dome Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.99516 | 1.67062 | 13.0334 | 17.2018 | 0.04721 | 0.43921 | — | 0.43921 | 0.40407 | — | 0.40407 | — | 4,919.56 | 4,919.56 | 0.19956 | 0.03991 | — | 4,936.44 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.99516 | 1.67062 | 13.0334 | 17.2018 | 0.04721 | 0.43921 | — | 0.43921 | 0.40407 | — | 0.40407 | — | 4,919.56 | 4,919.56 | 0.19956 | 0.03991 | — | 4,936.44 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.61378 | 0.51394 | 4.00950 | 5.29183 | 0.01452 | 0.13511 | — | 0.13511 | 0.12431 | — | 0.12431 | — | 1,513.41 | 1,513.41 | 0.06139 | 0.01228 | — | 1,518.61 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11201 | 0.09379 | 0.73173 | 0.96576 | 0.00265 | 0.02466 | — | 0.02466 | 0.02269 | — | 0.02269 | — | 250.563 | 250.563 | 0.01016 | 0.00203 | — | 251.423 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04259 | 0.01653 | 1.23851 | 0.26535 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,108.47 | 1,108.47 | 0.01746 | 0.17659 | 2.31811 | 1,163.85 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04127 | 0.01548 | 1.32529 | 0.26958 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,108.98 | 1,108.98 | 0.01746 | 0.17659 | 0.06006 | 1,162.10 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01294 | 0.00492 | 0.39871 | 0.08212 | 0.00240 | 0.00696 | 0.09751 | 0.10447 | 0.00696 | 0.02670 | 0.03366 | — | 341.067 | 341.067 | 0.00537 | 0.05432 | 0.30747 | 357.697 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00236 | 0.00090 | 0.07276 | 0.01499 | 0.00044 | 0.00127 | 0.01780 | 0.01907 | 0.00127 | 0.00487 | 0.00614 | — | 56.4675 | 56.4675 | 0.00089 | 0.00899 | 0.05091 | 59.2209 |

## 3.24. CC-11 Dome Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.64605 | 1.39099 | 10.0972 | 18.2963 | 0.04721 | 0.29903 | — | 0.29903 | 0.27648 | — | 0.27648 | — | 4,919.56 | 4,919.56 | 0.19956 | 0.03991 | — | 4,936.44 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.64605 | 1.39099 | 10.0972 | 18.2963 | 0.04721 | 0.29903 | — | 0.29903 | 0.27648 | — | 0.27648 | — | 4,919.56 | 4,919.56 | 0.19956 | 0.03991 | — | 4,936.44 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.50638 | 0.42791 | 3.10624 | 5.62851 | 0.01452 | 0.09199 | — | 0.09199 | 0.08506 | — | 0.08506 | — | 1,513.41 | 1,513.41 | 0.06139 | 0.01228 | — | 1,518.61 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.09241 | 0.07809 | 0.56689 | 1.02720 | 0.00265 | 0.01679 | — | 0.01679 | 0.01552 | — | 0.01552 | — | 250.563 | 250.563 | 0.01016 | 0.00203 | — | 251.423 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04259 | 0.01653 | 1.23851 | 0.26535 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,108.47 | 1,108.47 | 0.01746 | 0.17659 | 2.31811 | 1,163.85 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.04127 | 0.01548 | 1.32529 | 0.26958 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,108.98 | 1,108.98 | 0.01746 | 0.17659 | 0.06006 | 1,162.10 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01294 | 0.00492 | 0.39871 | 0.08212 | 0.00240 | 0.00696 | 0.09751 | 0.10447 | 0.00696 | 0.02670 | 0.03366 | — | 341.067 | 341.067 | 0.00537 | 0.05432 | 0.30747 | 357.697 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00236 | 0.00090 | 0.07276 | 0.01499 | 0.00044 | 0.00127 | 0.01780 | 0.01907 | 0.00127 | 0.00487 | 0.00614 | — | 56.4675 | 56.4675 | 0.00089 | 0.00899 | 0.05091 | 59.2209 |

## 3.25. Startup & Checkout (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43057 | 0.35674 | 3.24425 | 3.37645 | 0.00638 | 0.08594 | — | 0.08594 | 0.07907 | — | 0.07907 | — | 534.228 | 534.228 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08595 | 0.07121 | 0.64758 | 0.67397 | 0.00127 | 0.01715 | — | 0.01715 | 0.01578 | — | 0.01578 | — | 106.637 | 106.637 | 0.00433 | 0.00087 | — | 107.003 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01569 | 0.01300 | 0.11818 | 0.12300 | 0.00023 | 0.00313 | — | 0.00313 | 0.00288 | — | 0.00288 | — | 17.6549 | 17.6549 | 0.00072 | 0.00014 | — | 17.7155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01376 | 0.00516 | 0.45495 | 0.09237 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 379.373 | 379.373 | 0.00582 | 0.05886 | 0.02178 | 397.081 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00280 | 0.00108 | 0.08887 | 0.01828 | 0.00052 | 0.00151 | 0.02109 | 0.02260 | 0.00151 | 0.00577 | 0.00728 | — | 75.7065 | 75.7065 | 0.00118 | 0.01175 | 0.07246 | 79.3098 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00051 | 0.00020 | 0.01622 | 0.00334 | 0.00009 | 0.00027 | 0.00385 | 0.00412 | 0.00027 | 0.00105 | 0.00133 | — | 12.5341 | 12.5341 | 0.00020 | 0.00195 | 0.01200 | 13.1306 |

## 3.26. Startup & Checkout (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43057 | 0.35674 | 3.24425 | 3.37645 | 0.00638 | 0.08594 | — | 0.08594 | 0.07907 | — | 0.07907 | — | 534.228 | 534.228 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.08595 | 0.07121 | 0.64758 | 0.67397 | 0.00127 | 0.01715 | — | 0.01715 | 0.01578 | — | 0.01578 | — | 106.637 | 106.637 | 0.00433 | 0.00087 | — | 107.003 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01569 | 0.01300 | 0.11818 | 0.12300 | 0.00023 | 0.00313 | — | 0.00313 | 0.00288 | — | 0.00288 | — | 17.6549 | 17.6549 | 0.00072 | 0.00014 | — | 17.7155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01376 | 0.00516 | 0.45495 | 0.09237 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 379.373 | 379.373 | 0.00582 | 0.05886 | 0.02178 | 397.081 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00280 | 0.00108 | 0.08887 | 0.01828 | 0.00052 | 0.00151 | 0.02109 | 0.02260 | 0.00151 | 0.00577 | 0.00728 | — | 75.7065 | 75.7065 | 0.00118 | 0.01175 | 0.07246 | 79.3098 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00051 | 0.00020 | 0.01622 | 0.00334 | 0.00009 | 0.00027 | 0.00385 | 0.00412 | 0.00027 | 0.00105 | 0.00133 | — | 12.5341 | 12.5341 | 0.00020 | 0.00195 | 0.01200 | 13.1306 |

## 3.27. Startup & Checkout (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12380 | 0.10257 | 0.94637 | 0.99594 | 0.00189 | 0.02340 | — | 0.02340 | 0.02153 | — | 0.02153 | — | 158.073 | 158.073 | 0.00641 | 0.00128 | — | 158.616 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02259 | 0.01872 | 0.17271 | 0.18176 | 0.00034 | 0.00427 | — | 0.00427 | 0.00393 | — | 0.00393 | — | 26.1708 | 26.1708 | 0.00106 | 0.00021 | — | 26.2606 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01376 | 0.00516 | 0.44176 | 0.08986 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.659 | 369.659 | 0.00582 | 0.05886 | 0.02002 | 387.366 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00415 | 0.00158 | 0.12783 | 0.02633 | 0.00077 | 0.00223 | 0.03126 | 0.03349 | 0.00223 | 0.00856 | 0.01079 | — | 109.350 | 109.350 | 0.00172 | 0.01742 | 0.09858 | 114.682 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00076 | 0.00029 | 0.02333 | 0.00480 | 0.00014 | 0.00041 | 0.00571 | 0.00611 | 0.00041 | 0.00156 | 0.00197 | — | 18.1041 | 18.1041 | 0.00029 | 0.00288 | 0.01632 | 18.9868 |

## 3.28. Startup & Checkout (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12380 | 0.10257 | 0.94637 | 0.99594 | 0.00189 | 0.02340 | — | 0.02340 | 0.02153 | — | 0.02153 | — | 158.073 | 158.073 | 0.00641 | 0.00128 | — | 158.616 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02259 | 0.01872 | 0.17271 | 0.18176 | 0.00034 | 0.00427 | — | 0.00427 | 0.00393 | — | 0.00393 | — | 26.1708 | 26.1708 | 0.00106 | 0.00021 | — | 26.2606 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01376 | 0.00516 | 0.44176 | 0.08986 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.659 | 369.659 | 0.00582 | 0.05886 | 0.02002 | 387.366 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00415 | 0.00158 | 0.12783 | 0.02633 | 0.00077 | 0.00223 | 0.03126 | 0.03349 | 0.00223 | 0.00856 | 0.01079 | — | 109.350 | 109.350 | 0.00172 | 0.01742 | 0.09858 | 114.682 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00076 | 0.00029 | 0.02333 | 0.00480 | 0.00014 | 0.00041 | 0.00571 | 0.00611 | 0.00041 | 0.00156 | 0.00197 | — | 18.1041 | 18.1041 | 0.00029 | 0.00288 | 0.01632 | 18.9868 |

## 3.29. CC-12 Rail Track Installation (Supply & Installation) (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 2.20159 | 1.84429 | 16.1463 | 15.9809 | 0.03385 | 0.67236 | — | 0.67236 | 0.61857 | — | 0.61857 | — | 3,495.54 | 3,495.54 | 0.14179 | 0.02836 | — | 3,507.53 |
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07238 | 0.06063 | 0.53084 | 0.52540 | 0.00111 | 0.02210 | — | 0.02210 | 0.02034 | — | 0.02034 | — | 114.922 | 114.922 | 0.00466 | 0.00093 | — | 115.316 |
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01321 | 0.01107 | 0.09688 | 0.09589 | 0.00020 | 0.00403 | — | 0.00403 | 0.00371 | — | 0.00371 | — | 19.0266 | 19.0266 | 0.00077 | 0.00015 | — | 19.0919 |
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.30. CC-12 Rail Track Installation (Supply & Installation) (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.01722 | 0.90848 | 6.26117 | 24.9188 | 0.04515 | 0.23013 | — | 0.23013 | 0.21767 | — | 0.21767 | — | 4,718.99 | 4,718.99 | 0.19142 | 0.03828 | — | 4,735.18 |
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03344 | 0.02987 | 0.20585 | 0.81925 | 0.00148 | 0.00757 | — | 0.00757 | 0.00716 | — | 0.00716 | — | 155.145 | 155.145 | 0.00629 | 0.00126 | — | 155.677 |
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00610 | 0.00545 | 0.03757 | 0.14951 | 0.00027 | 0.00138 | — | 0.00138 | 0.00131 | — | 0.00131 | — | 25.6860 | 25.6860 | 0.00104 | 0.00021 | — | 25.7741 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.31. CC-12 Rail Track Installation (Supply & Installation) (2027) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 2.13263 | 1.78651 | 15.4673 | 15.8111 | 0.03386 | 0.62791 | — | 0.62791 | 0.57767 | — | 0.57767 | — | 3,496.93 | 3,496.93 | 0.14185 | 0.02837 | — | 3,508.93 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13263 | 1.78651 | 15.4673 | 15.8111 | 0.03386 | 0.62791 | — | 0.62791 | 0.57767 | — | 0.57767 | — | 3,496.93 | 3,496.93 | 0.14185 | 0.02837 | — | 3,508.93 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.49080 | 0.41114 | 3.55960 | 3.63872 | 0.00779 | 0.14450 | — | 0.14450 | 0.13294 | — | 0.13294 | — | 804.773 | 804.773 | 0.03265 | 0.00653 | — | 807.535 |
| Onsite truck | 0.00024 | 0.00017 | 0.00380 | 0.00256 | 0.00001 | 0.00001 | 0.13536 | 0.13537 | 0.00001 | 0.01351 | 0.01352 | — | 0.68718 | 0.68718 | 0.00005 | 0.00011 | 0.00029 | 0.72090 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08957 | 0.07503 | 0.64963 | 0.66407 | 0.00142 | 0.02637 | — | 0.02637 | 0.02426 | — | 0.02426 | — | 133.239 | 133.239 | 0.00540 | 0.00108 | — | 133.697 |
| Onsite truck | 0.00004 | 0.00003 | 0.00069 | 0.00047 | < 0.000005 | < 0.000005 | 0.02470 | 0.02470 | < 0.000005 | 0.00247 | 0.00247 | — | 0.11377 | 0.11377 | 0.00001 | 0.00002 | 0.00005 | 0.11935 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01291 | 0.00499 | 0.40983 | 0.08430 | 0.00239 | 0.00694 | 0.09726 | 0.10420 | 0.00694 | 0.02663 | 0.03357 | — | 349.140 | 349.140 | 0.00544 | 0.05419 | 0.33415 | 365.758 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00236 | 0.00091 | 0.07479 | 0.01539 | 0.00044 | 0.00127 | 0.01775 | 0.01902 | 0.00127 | 0.00486 | 0.00613 | — | 57.8042 | 57.8042 | 0.00090 | 0.00897 | 0.05532 | 60.5554 |

## 3.32. CC-12 Rail Track Installation (Supply & Installation) (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.99671 | 0.89141 | 6.15914 | 24.9104 | 0.04518 | 0.21640 | — | 0.21640 | 0.20504 | — | 0.20504 | — | 4,721.81 | 4,721.81 | 0.19154 | 0.03831 | — | 4,738.01 |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.99671 | 0.89141 | 6.15914 | 24.9104 | 0.04518 | 0.21640 | — | 0.21640 | 0.20504 | — | 0.20504 | — | 4,721.81 | 4,721.81 | 0.19154 | 0.03831 | — | 4,738.01 |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.22938 | 0.20515 | 1.41745 | 5.73279 | 0.01040 | 0.04980 | — | 0.04980 | 0.04719 | — | 0.04719 | — | 1,086.66 | 1,086.66 | 0.04408 | 0.00882 | — | 1,090.39 |
| Onsite truck | 0.00024 | 0.00017 | 0.00380 | 0.00256 | 0.00001 | 0.00001 | 0.13536 | 0.13537 | 0.00001 | 0.01351 | 0.01352 | — | 0.68718 | 0.68718 | 0.00005 | 0.00011 | 0.00029 | 0.72090 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04186 | 0.03744 | 0.25868 | 1.04623 | 0.00190 | 0.00909 | — | 0.00909 | 0.00861 | — | 0.00861 | — | 179.909 | 179.909 | 0.00730 | 0.00146 | — | 180.527 |
| Onsite truck | 0.00004 | 0.00003 | 0.00069 | 0.00047 | < 0.000005 | < 0.000005 | 0.02470 | 0.02470 | < 0.000005 | 0.00247 | 0.00247 | — | 0.11377 | 0.11377 | 0.00001 | 0.00002 | 0.00005 | 0.11935 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01291 | 0.00499 | 0.40983 | 0.08430 | 0.00239 | 0.00694 | 0.09726 | 0.10420 | 0.00694 | 0.02663 | 0.03357 | — | 349.140 | 349.140 | 0.00544 | 0.05419 | 0.33415 | 365.758 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00236 | 0.00091 | 0.07479 | 0.01539 | 0.00044 | 0.00127 | 0.01775 | 0.01902 | 0.00127 | 0.00486 | 0.00613 | — | 57.8042 | 57.8042 | 0.00090 | 0.00897 | 0.05532 | 60.5554 |

## 3.33. CC-10 Unattended Truck Self-Loading Kiosk (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33157 | 0.27597 | 2.46323 | 2.84102 | 0.00519 | 0.08541 | — | 0.08541 | 0.07857 | — | 0.07857 | — | 480.421 | 480.421 | 0.01949 | 0.00390 | — | 482.070 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.03815 | 0.03176 | 0.28344 | 0.32691 | 0.00060 | 0.00983 | — | 0.00983 | 0.00904 | — | 0.00904 | — | 55.2813 | 55.2813 | 0.00224 | 0.00045 | — | 55.4710 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00696 | 0.00580 | 0.05173 | 0.05966 | 0.00011 | 0.00179 | — | 0.00179 | 0.00165 | — | 0.00165 | — | 9.15245 | 9.15245 | 0.00037 | 0.00007 | — | 9.18386 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.42611 | 0.09096 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 379.204 | 379.204 | 0.00591 | 0.05886 | 0.84099 | 397.734 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00161 | 0.00062 | 0.05123 | 0.01054 | 0.00030 | 0.00087 | 0.01216 | 0.01303 | 0.00087 | 0.00333 | 0.00420 | — | 43.6426 | 43.6426 | 0.00068 | 0.00677 | 0.04177 | 45.7198 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00029 | 0.00011 | 0.00935 | 0.00192 | 0.00005 | 0.00016 | 0.00222 | 0.00238 | 0.00016 | 0.00061 | 0.00077 | — | 7.22552 | 7.22552 | 0.00011 | 0.00112 | 0.00692 | 7.56943 |

## 3.34. CC-10 Unattended Truck Self-Loading Kiosk (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.29674 | 0.24822 | 2.17788 | 3.02735 | 0.00519 | 0.07355 | — | 0.07355 | 0.06782 | — | 0.06782 | — | 480.421 | 480.421 | 0.01949 | 0.00390 | — | 482.070 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03414 | 0.02856 | 0.25061 | 0.34835 | 0.00060 | 0.00846 | — | 0.00846 | 0.00780 | — | 0.00780 | — | 55.2813 | 55.2813 | 0.00224 | 0.00045 | — | 55.4710 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00623 | 0.00521 | 0.04574 | 0.06357 | 0.00011 | 0.00154 | — | 0.00154 | 0.00142 | — | 0.00142 | — | 9.15245 | 9.15245 | 0.00037 | 0.00007 | — | 9.18386 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.42611 | 0.09096 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 379.204 | 379.204 | 0.00591 | 0.05886 | 0.84099 | 397.734 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00161 | 0.00062 | 0.05123 | 0.01054 | 0.00030 | 0.00087 | 0.01216 | 0.01303 | 0.00087 | 0.00333 | 0.00420 | — | 43.6426 | 43.6426 | 0.00068 | 0.00677 | 0.04177 | 45.7198 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00029 | 0.00011 | 0.00935 | 0.00192 | 0.00005 | 0.00016 | 0.00222 | 0.00238 | 0.00016 | 0.00061 | 0.00077 | — | 7.22552 | 7.22552 | 0.00011 | 0.00112 | 0.00692 | 7.56943 |

## 3.35. CC-07 Structural Mechanical Installation (2027) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.38549 | 1.15440 | 10.1432 | 10.1214 | 0.02272 | 0.37626 | — | 0.37626 | 0.34616 | — | 0.34616 | — | 2,147.90 | 2,147.90 | 0.08713 | 0.01743 | — | 2,155.28 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 1.38549 | 1.15440 | 10.1432 | 10.1214 | 0.02272 | 0.37626 | — | 0.37626 | 0.34616 | — | 0.34616 | — | 2,147.90 | 2,147.90 | 0.08713 | 0.01743 | — | 2,155.28 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.50431 | 0.42019 | 3.69206 | 3.68411 | 0.00827 | 0.13695 | — | 0.13695 | 0.12600 | — | 0.12600 | — | 781.820 | 781.820 | 0.03171 | 0.00634 | — | 784.503 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.09204 | 0.07669 | 0.67380 | 0.67235 | 0.00151 | 0.02499 | — | 0.02499 | 0.02299 | — | 0.02299 | — | 129.439 | 129.439 | 0.00525 | 0.00105 | — | 129.883 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02041 | 0.00790 | 0.64820 | 0.13334 | 0.00379 | 0.01098 | 0.15383 | 0.16481 | 0.01098 | 0.04212 | 0.05310 | — | 552.212 | 552.212 | 0.00860 | 0.08570 | 0.52850 | 578.495 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00373 | 0.00144 | 0.11830 | 0.02433 | 0.00069 | 0.00200 | 0.02807 | 0.03008 | 0.00200 | 0.00769 | 0.00969 | — | 91.4250 | 91.4250 | 0.00142 | 0.01419 | 0.08750 | 95.7765 |

## 3.36. CC-07 Structural Mechanical Installation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.16717 | 0.98055 | 8.35504 | 11.2891 | 0.02272 | 0.30199 | — | 0.30199 | 0.27879 | — | 0.27879 | — | 2,147.90 | 2,147.90 | 0.08713 | 0.01743 | — | 2,155.28 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.16717 | 0.98055 | 8.35504 | 11.2891 | 0.02272 | 0.30199 | — | 0.30199 | 0.27879 | — | 0.27879 | — | 2,147.90 | 2,147.90 | 0.08713 | 0.01743 | — | 2,155.28 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.42484 | 0.35691 | 3.04117 | 4.10914 | 0.00827 | 0.10992 | — | 0.10992 | 0.10148 | — | 0.10148 | — | 781.820 | 781.820 | 0.03171 | 0.00634 | — | 784.503 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07753 | 0.06514 | 0.55501 | 0.74992 | 0.00151 | 0.02006 | — | 0.02006 | 0.01852 | — | 0.01852 | — | 129.439 | 129.439 | 0.00525 | 0.00105 | — | 129.883 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02041 | 0.00790 | 0.64820 | 0.13334 | 0.00379 | 0.01098 | 0.15383 | 0.16481 | 0.01098 | 0.04212 | 0.05310 | — | 552.212 | 552.212 | 0.00860 | 0.08570 | 0.52850 | 578.495 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00373 | 0.00144 | 0.11830 | 0.02433 | 0.00069 | 0.00200 | 0.02807 | 0.03008 | 0.00200 | 0.00769 | 0.00969 | — | 91.4250 | 91.4250 | 0.00142 | 0.01419 | 0.08750 | 95.7765 |

## 3.37. CC-07 Structural Mechanical Installation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.34657 | 1.12192 | 9.75347 | 10.1056 | 0.02272 | 0.35076 | — | 0.35076 | 0.32270 | — | 0.32270 | — | 2,148.28 | 2,148.28 | 0.08714 | 0.01743 | — | 2,155.65 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08854 | 0.07377 | 0.64132 | 0.66447 | 0.00149 | 0.02306 | — | 0.02306 | 0.02122 | — | 0.02122 | — | 141.256 | 141.256 | 0.00573 | 0.00115 | — | 141.741 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01616 | 0.01346 | 0.11704 | 0.12127 | 0.00027 | 0.00421 | — | 0.00421 | 0.00387 | — | 0.00387 | — | 23.3866 | 23.3866 | 0.00095 | 0.00019 | — | 23.4669 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.76705 | 0.35944 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,478.64 | 1,478.64 | 0.02328 | 0.23545 | 0.08007 | 1,549.46 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00369 | 0.00140 | 0.11363 | 0.02340 | 0.00068 | 0.00198 | 0.02779 | 0.02977 | 0.00198 | 0.00761 | 0.00959 | — | 97.1997 | 97.1997 | 0.00153 | 0.01548 | 0.08763 | 101.939 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00067 | 0.00026 | 0.02074 | 0.00427 | 0.00012 | 0.00036 | 0.00507 | 0.00543 | 0.00036 | 0.00139 | 0.00175 | — | 16.0925 | 16.0925 | 0.00025 | 0.00256 | 0.01451 | 16.8772 |

## 3.38. CC-07 Structural Mechanical Installation (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 1.13856 | 0.95673 | 8.14133 | 11.2741 | 0.02272 | 0.28321 | — | 0.28321 | 0.26152 | — | 0.26152 | — | 2,148.28 | 2,148.28 | 0.08714 | 0.01743 | — | 2,155.65 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07486 | 0.06291 | 0.53532 | 0.74131 | 0.00149 | 0.01862 | — | 0.01862 | 0.01720 | — | 0.01720 | — | 141.256 | 141.256 | 0.00573 | 0.00115 | — | 141.741 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01366 | 0.01148 | 0.09770 | 0.13529 | 0.00027 | 0.00340 | — | 0.00340 | 0.00314 | — | 0.00314 | — | 23.3866 | 23.3866 | 0.00095 | 0.00019 | — | 23.4669 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.76705 | 0.35944 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,478.64 | 1,478.64 | 0.02328 | 0.23545 | 0.08007 | 1,549.46 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00369 | 0.00140 | 0.11363 | 0.02340 | 0.00068 | 0.00198 | 0.02779 | 0.02977 | 0.00198 | 0.00761 | 0.00959 | — | 97.1997 | 97.1997 | 0.00153 | 0.01548 | 0.08763 | 101.939 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00067 | 0.00026 | 0.02074 | 0.00427 | 0.00012 | 0.00036 | 0.00507 | 0.00543 | 0.00036 | 0.00139 | 0.00175 | — | 16.0925 | 16.0925 | 0.00025 | 0.00256 | 0.01451 | 16.8772 |

## 3.39. Ship Unloader Installation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.94649 | 0.79025 | 7.24357 | 7.62901 | 0.01657 | 0.26379 | — | 0.26379 | 0.24268 | — | 0.24268 | — | 1,637.80 | 1,637.80 | 0.06644 | 0.01329 | — | 1,643.42 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06223 | 0.05196 | 0.47629 | 0.50163 | 0.00109 | 0.01734 | — | 0.01734 | 0.01596 | — | 0.01596 | — | 107.691 | 107.691 | 0.00437 | 0.00087 | — | 108.061 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01136 | 0.00948 | 0.08692 | 0.09155 | 0.00020 | 0.00317 | — | 0.00317 | 0.00291 | — | 0.00291 | — | 17.8295 | 17.8295 | 0.00072 | 0.00014 | — | 17.8907 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01168 | 0.00606 | 0.33188 | 0.06531 | 0.00266 | 0.00532 | 0.10128 | 0.10660 | 0.00532 | 0.02798 | 0.03331 | — | 349.054 | 349.054 | 0.00554 | 0.05353 | 0.02059 | 365.166 |
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00077 | 0.00040 | 0.02144 | 0.00427 | 0.00018 | 0.00035 | 0.00666 | 0.00701 | 0.00035 | 0.00184 | 0.00219 | — | 22.9499 | 22.9499 | 0.00036 | 0.00352 | 0.02253 | 24.0305 |
| Hauling | 0.00184 | 0.00071 | 0.05855 | 0.01204 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 49.8772 | 49.8772 | 0.00078 | 0.00774 | 0.04774 | 52.2512 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00014 | 0.00007 | 0.00391 | 0.00078 | 0.00003 | 0.00006 | 0.00122 | 0.00128 | 0.00006 | 0.00034 | 0.00040 | — | 3.79962 | 3.79962 | 0.00006 | 0.00058 | 0.00373 | 3.97852 |
| Hauling | 0.00034 | 0.00013 | 0.01068 | 0.00220 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.25774 | 8.25774 | 0.00013 | 0.00128 | 0.00790 | 8.65078 |

## 3.40. Ship Unloader Installation (2027) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64920 | 0.55352 | 4.80857 | 9.21905 | 0.01657 | 0.16265 | — | 0.16265 | 0.15095 | — | 0.15095 | — | 1,637.80 | 1,637.80 | 0.06644 | 0.01329 | — | 1,643.42 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04269 | 0.03640 | 0.31618 | 0.60618 | 0.00109 | 0.01069 | — | 0.01069 | 0.00993 | — | 0.00993 | — | 107.691 | 107.691 | 0.00437 | 0.00087 | — | 108.061 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00779 | 0.00664 | 0.05770 | 0.11063 | 0.00020 | 0.00195 | — | 0.00195 | 0.00181 | — | 0.00181 | — | 17.8295 | 17.8295 | 0.00072 | 0.00014 | — | 17.8907 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01168 | 0.00606 | 0.33188 | 0.06531 | 0.00266 | 0.00532 | 0.10128 | 0.10660 | 0.00532 | 0.02798 | 0.03331 | — | 349.054 | 349.054 | 0.00554 | 0.05353 | 0.02059 | 365.166 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.02751 | 0.01032 | 0.90989 | 0.18475 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 758.745 | 758.745 | 0.01164 | 0.11773 | 0.04356 | 794.163 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00077 | 0.00040 | 0.02144 | 0.00427 | 0.00018 | 0.00035 | 0.00666 | 0.00701 | 0.00035 | 0.00184 | 0.00219 | — | 22.9499 | 22.9499 | 0.00036 | 0.00352 | 0.02253 | 24.0305 |
| Hauling | 0.00184 | 0.00071 | 0.05855 | 0.01204 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 49.8772 | 49.8772 | 0.00078 | 0.00774 | 0.04774 | 52.2512 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00014 | 0.00007 | 0.00391 | 0.00078 | 0.00003 | 0.00006 | 0.00122 | 0.00128 | 0.00006 | 0.00034 | 0.00040 | — | 3.79962 | 3.79962 | 0.00006 | 0.00058 | 0.00373 | 3.97852 |
| Hauling | 0.00034 | 0.00013 | 0.01068 | 0.00220 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.25774 | 8.25774 | 0.00013 | 0.00128 | 0.00790 | 8.65078 |

## 3.41. Dry Commissioning (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01490 | 0.01235 | 0.11392 | 0.11988 | 0.00023 | 0.00282 | — | 0.00282 | 0.00259 | — | 0.00259 | — | 19.0273 | 19.0273 | 0.00077 | 0.00015 | — | 19.0926 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00272 | 0.00225 | 0.02079 | 0.02188 | 0.00004 | 0.00051 | — | 0.00051 | 0.00047 | — | 0.00047 | — | 3.15019 | 3.15019 | 0.00013 | 0.00003 | — | 3.16100 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00050 | 0.00019 | 0.01539 | 0.00317 | 0.00009 | 0.00027 | 0.00376 | 0.00403 | 0.00027 | 0.00103 | 0.00130 | — | 13.1625 | 13.1625 | 0.00021 | 0.00210 | 0.01187 | 13.8043 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00009 | 0.00003 | 0.00281 | 0.00058 | 0.00002 | 0.00005 | 0.00069 | 0.00074 | 0.00005 | 0.00019 | 0.00024 | — | 2.17920 | 2.17920 | 0.00003 | 0.00035 | 0.00196 | 2.28545 |

## 3.42. Dry Commissioning (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01490 | 0.01235 | 0.11392 | 0.11988 | 0.00023 | 0.00282 | — | 0.00282 | 0.00259 | — | 0.00259 | — | 19.0273 | 19.0273 | 0.00077 | 0.00015 | — | 19.0926 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00272 | 0.00225 | 0.02079 | 0.02188 | 0.00004 | 0.00051 | — | 0.00051 | 0.00047 | — | 0.00047 | — | 3.15019 | 3.15019 | 0.00013 | 0.00003 | — | 3.16100 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00050 | 0.00019 | 0.01539 | 0.00317 | 0.00009 | 0.00027 | 0.00376 | 0.00403 | 0.00027 | 0.00103 | 0.00130 | — | 13.1625 | 13.1625 | 0.00021 | 0.00210 | 0.01187 | 13.8043 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00009 | 0.00003 | 0.00281 | 0.00058 | 0.00002 | 0.00005 | 0.00069 | 0.00074 | 0.00005 | 0.00019 | 0.00024 | — | 2.17920 | 2.17920 | 0.00003 | 0.00035 | 0.00196 | 2.28545 |

## 3.43. Wet Commissioning (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.01490 | 0.01235 | 0.11392 | 0.11988 | 0.00023 | 0.00282 | — | 0.00282 | 0.00259 | — | 0.00259 | — | 19.0273 | 19.0273 | 0.00077 | 0.00015 | — | 19.0926 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00272 | 0.00225 | 0.02079 | 0.02188 | 0.00004 | 0.00051 | — | 0.00051 | 0.00047 | — | 0.00047 | — | 3.15019 | 3.15019 | 0.00013 | 0.00003 | — | 3.16100 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00050 | 0.00019 | 0.01539 | 0.00317 | 0.00009 | 0.00027 | 0.00376 | 0.00403 | 0.00027 | 0.00103 | 0.00130 | — | 13.1625 | 13.1625 | 0.00021 | 0.00210 | 0.01187 | 13.8043 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00009 | 0.00003 | 0.00281 | 0.00058 | 0.00002 | 0.00005 | 0.00069 | 0.00074 | 0.00005 | 0.00019 | 0.00024 | — | 2.17920 | 2.17920 | 0.00003 | 0.00035 | 0.00196 | 2.28545 |

## 3.44. Wet Commissioning (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41838 | 0.34665 | 3.19840 | 3.36590 | 0.00638 | 0.07909 | — | 0.07909 | 0.07277 | — | 0.07277 | — | 534.229 | 534.229 | 0.02167 | 0.00433 | — | 536.062 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01490 | 0.01235 | 0.11392 | 0.11988 | 0.00023 | 0.00282 | — | 0.00282 | 0.00259 | — | 0.00259 | — | 19.0273 | 19.0273 | 0.00077 | 0.00015 | — | 19.0926 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00272 | 0.00225 | 0.02079 | 0.02188 | 0.00004 | 0.00051 | — | 0.00051 | 0.00047 | — | 0.00047 | — | 3.15019 | 3.15019 | 0.00013 | 0.00003 | — | 3.16100 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01420 | 0.00551 | 0.41284 | 0.08845 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 369.491 | 369.491 | 0.00582 | 0.05886 | 0.77270 | 387.950 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00050 | 0.00019 | 0.01539 | 0.00317 | 0.00009 | 0.00027 | 0.00376 | 0.00403 | 0.00027 | 0.00103 | 0.00130 | — | 13.1625 | 13.1625 | 0.00021 | 0.00210 | 0.01187 | 13.8043 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00009 | 0.00003 | 0.00281 | 0.00058 | 0.00002 | 0.00005 | 0.00069 | 0.00074 | 0.00005 | 0.00019 | 0.00024 | — | 2.17920 | 2.17920 | 0.00003 | 0.00035 | 0.00196 | 2.28545 |

## 3.45. Float (2028) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.48683 | 1.23918 | 10.7190 | 11.1860 | 0.02541 | 0.38466 | — | 0.38466 | 0.35388 | — | 0.35388 | — | 2,422.22 | 2,422.22 | 0.09826 | 0.01965 | — | 2,430.54 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.29737 | 0.24784 | 2.14380 | 2.23721 | 0.00508 | 0.07693 | — | 0.07693 | 0.07078 | — | 0.07078 | — | 484.445 | 484.445 | 0.01965 | 0.00393 | — | 486.107 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05427 | 0.04523 | 0.39124 | 0.40829 | 0.00093 | 0.01404 | — | 0.01404 | 0.01292 | — | 0.01292 | — | 80.2053 | 80.2053 | 0.00325 | 0.00065 | — | 80.4806 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.65135 | 0.35380 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,477.96 | 1,477.96 | 0.02328 | 0.23545 | 3.09082 | 1,551.80 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01122 | 0.00427 | 0.34561 | 0.07118 | 0.00208 | 0.00603 | 0.08453 | 0.09056 | 0.00603 | 0.02314 | 0.02917 | — | 295.649 | 295.649 | 0.00466 | 0.04709 | 0.26653 | 310.065 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00205 | 0.00078 | 0.06307 | 0.01299 | 0.00038 | 0.00110 | 0.01543 | 0.01653 | 0.00110 | 0.00422 | 0.00532 | — | 48.9481 | 48.9481 | 0.00077 | 0.00780 | 0.04413 | 51.3348 |

## 3.46. Float (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.11428 | 0.95228 | 7.72078 | 15.7837 | 0.02965 | 0.25826 | — | 0.25826 | 0.24021 | — | 0.24021 | — | 2,881.11 | 2,881.11 | 0.11687 | 0.02337 | — | 2,890.99 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.22286 | 0.19046 | 1.54416 | 3.15675 | 0.00593 | 0.05165 | — | 0.05165 | 0.04804 | — | 0.04804 | — | 576.221 | 576.221 | 0.02337 | 0.00467 | — | 578.199 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04067 | 0.03476 | 0.28181 | 0.57611 | 0.00108 | 0.00943 | — | 0.00943 | 0.00877 | — | 0.00877 | — | 95.4000 | 95.4000 | 0.00387 | 0.00077 | — | 95.7274 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.65135 | 0.35380 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,477.96 | 1,477.96 | 0.02328 | 0.23545 | 3.09082 | 1,551.80 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01122 | 0.00427 | 0.34561 | 0.07118 | 0.00208 | 0.00603 | 0.08453 | 0.09056 | 0.00603 | 0.02314 | 0.02917 | — | 295.649 | 295.649 | 0.00466 | 0.04709 | 0.26653 | 310.065 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00205 | 0.00078 | 0.06307 | 0.01299 | 0.00038 | 0.00110 | 0.01543 | 0.01653 | 0.00110 | 0.00422 | 0.00532 | — | 48.9481 | 48.9481 | 0.00077 | 0.00780 | 0.04413 | 51.3348 |

## 3.47. P.II CC-05 Landside Piling or ADP & CC-06 Foundation (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.11568 | 1.76906 | 12.7183 | 15.8431 | 0.04656 | 0.46285 | — | 0.46285 | 0.42582 | — | 0.42582 | — | 4,749.85 | 4,749.85 | 0.19267 | 0.03853 | — | 4,766.15 |
| Onsite truck | 0.00106 | 0.00076 | 0.01546 | 0.01095 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.78566 | 2.78566 | 0.00022 | 0.00044 | 0.00224 | 2.92338 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64340 | 0.53799 | 3.86777 | 4.81805 | 0.01416 | 0.14076 | — | 0.14076 | 0.12950 | — | 0.12950 | — | 1,444.48 | 1,444.48 | 0.05859 | 0.01172 | — | 1,449.43 |
| Onsite truck | 0.00030 | 0.00022 | 0.00484 | 0.00338 | 0.00001 | 0.00001 | 0.17887 | 0.17888 | 0.00001 | 0.01786 | 0.01786 | — | 0.85250 | 0.85250 | 0.00007 | 0.00014 | 0.00030 | 0.89600 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11742 | 0.09818 | 0.70587 | 0.87929 | 0.00258 | 0.02569 | — | 0.02569 | 0.02363 | — | 0.02363 | — | 239.149 | 239.149 | 0.00970 | 0.00194 | — | 239.970 |
| Onsite truck | 0.00006 | 0.00004 | 0.00088 | 0.00062 | < 0.000005 | < 0.000005 | 0.03264 | 0.03264 | < 0.000005 | 0.00326 | 0.00326 | — | 0.14114 | 0.14114 | 0.00001 | 0.00002 | 0.00005 | 0.14834 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01219 | 0.00642 | 0.28470 | 0.09912 | 0.00201 | 0.00401 | 0.07633 | 0.08034 | 0.00401 | 0.02109 | 0.02510 | — | 250.986 | 250.986 | 0.00333 | 0.03765 | 0.39877 | 262.689 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00364 | 0.00188 | 0.09030 | 0.03061 | 0.00061 | 0.00122 | 0.02321 | 0.02443 | 0.00122 | 0.00641 | 0.00763 | — | 76.3598 | 76.3598 | 0.00101 | 0.01145 | 0.05235 | 79.8500 |
| Hauling | 0.01389 | 0.00649 | 0.49640 | 0.10529 | 0.00316 | 0.00917 | 0.12853 | 0.13770 | 0.00917 | 0.03519 | 0.04436 | — | 425.844 | 425.844 | 0.00708 | 0.06855 | 0.33663 | 446.784 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00066 | 0.00034 | 0.01648 | 0.00559 | 0.00011 | 0.00022 | 0.00424 | 0.00446 | 0.00022 | 0.00117 | 0.00139 | — | 12.6422 | 12.6422 | 0.00017 | 0.00190 | 0.00867 | 13.2201 |
| Hauling | 0.00254 | 0.00118 | 0.09059 | 0.01921 | 0.00058 | 0.00167 | 0.02346 | 0.02513 | 0.00167 | 0.00642 | 0.00810 | — | 70.5033 | 70.5033 | 0.00117 | 0.01135 | 0.05573 | 73.9702 |

## 3.48. P.II CC-05 Landside Piling or ADP & CC-06 Foundation (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.24714 | 1.09508 | 8.04216 | 24.9266 | 0.04656 | 0.27436 | — | 0.27436 | 0.25801 | — | 0.25801 | — | 4,749.85 | 4,749.85 | 0.19267 | 0.03853 | — | 4,766.15 |
| Onsite truck | 0.00106 | 0.00076 | 0.01546 | 0.01095 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.78566 | 2.78566 | 0.00022 | 0.00044 | 0.00224 | 2.92338 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.37927 | 0.33302 | 2.44570 | 7.58043 | 0.01416 | 0.08344 | — | 0.08344 | 0.07846 | — | 0.07846 | — | 1,444.48 | 1,444.48 | 0.05859 | 0.01172 | — | 1,449.43 |
| Onsite truck | 0.00030 | 0.00022 | 0.00484 | 0.00338 | 0.00001 | 0.00001 | 0.17887 | 0.17888 | 0.00001 | 0.01786 | 0.01786 | — | 0.85250 | 0.85250 | 0.00007 | 0.00014 | 0.00030 | 0.89600 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06922 | 0.06078 | 0.44634 | 1.38343 | 0.00258 | 0.01523 | — | 0.01523 | 0.01432 | — | 0.01432 | — | 239.149 | 239.149 | 0.00970 | 0.00194 | — | 239.970 |
| Onsite truck | 0.00006 | 0.00004 | 0.00088 | 0.00062 | < 0.000005 | < 0.000005 | 0.03264 | 0.03264 | < 0.000005 | 0.00326 | 0.00326 | — | 0.14114 | 0.14114 | 0.00001 | 0.00002 | 0.00005 | 0.14834 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01219 | 0.00642 | 0.28470 | 0.09912 | 0.00201 | 0.00401 | 0.07633 | 0.08034 | 0.00401 | 0.02109 | 0.02510 | — | 250.986 | 250.986 | 0.00333 | 0.03765 | 0.39877 | 262.689 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00364 | 0.00188 | 0.09030 | 0.03061 | 0.00061 | 0.00122 | 0.02321 | 0.02443 | 0.00122 | 0.00641 | 0.00763 | — | 76.3598 | 76.3598 | 0.00101 | 0.01145 | 0.05235 | 79.8500 |
| Hauling | 0.01389 | 0.00649 | 0.49640 | 0.10529 | 0.00316 | 0.00917 | 0.12853 | 0.13770 | 0.00917 | 0.03519 | 0.04436 | — | 425.844 | 425.844 | 0.00708 | 0.06855 | 0.33663 | 446.784 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00066 | 0.00034 | 0.01648 | 0.00559 | 0.00011 | 0.00022 | 0.00424 | 0.00446 | 0.00022 | 0.00117 | 0.00139 | — | 12.6422 | 12.6422 | 0.00017 | 0.00190 | 0.00867 | 13.2201 |
| Hauling | 0.00254 | 0.00118 | 0.09059 | 0.01921 | 0.00058 | 0.00167 | 0.02346 | 0.02513 | 0.00167 | 0.00642 | 0.00810 | — | 70.5033 | 70.5033 | 0.00117 | 0.01135 | 0.05573 | 73.9702 |

## 3.49. P.II CC-07 Structural & Mechanical Installation (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.83343 | 0.69418 | 6.14855 | 6.52422 | 0.01464 | 0.20635 | — | 0.20635 | 0.18984 | — | 0.18984 | — | 1,379.32 | 1,379.32 | 0.05595 | 0.01119 | — | 1,384.06 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19409 | 0.16166 | 1.43185 | 1.51934 | 0.00341 | 0.04805 | — | 0.04805 | 0.04421 | — | 0.04421 | — | 321.212 | 321.212 | 0.01303 | 0.00261 | — | 322.314 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03542 | 0.02950 | 0.26131 | 0.27728 | 0.00062 | 0.00877 | — | 0.00877 | 0.00807 | — | 0.00807 | — | 53.1803 | 53.1803 | 0.00216 | 0.00043 | — | 53.3628 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00731 | 0.00385 | 0.17082 | 0.05947 | 0.00120 | 0.00241 | 0.04580 | 0.04821 | 0.00241 | 0.01265 | 0.01506 | — | 150.591 | 150.591 | 0.00200 | 0.02259 | 0.23926 | 157.613 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00167 | 0.00087 | 0.04149 | 0.01407 | 0.00028 | 0.00056 | 0.01066 | 0.01122 | 0.00056 | 0.00295 | 0.00351 | — | 35.0843 | 35.0843 | 0.00047 | 0.00526 | 0.02405 | 36.6878 |
| Hauling | 0.01064 | 0.00497 | 0.38013 | 0.08063 | 0.00242 | 0.00702 | 0.09842 | 0.10544 | 0.00702 | 0.02695 | 0.03397 | — | 326.096 | 326.096 | 0.00542 | 0.05249 | 0.25778 | 342.132 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00031 | 0.00016 | 0.00757 | 0.00257 | 0.00005 | 0.00010 | 0.00195 | 0.00205 | 0.00010 | 0.00054 | 0.00064 | — | 5.80860 | 5.80860 | 0.00008 | 0.00087 | 0.00398 | 6.07409 |
| Hauling | 0.00194 | 0.00091 | 0.06937 | 0.01471 | 0.00044 | 0.00128 | 0.01796 | 0.01924 | 0.00128 | 0.00492 | 0.00620 | — | 53.9890 | 53.9890 | 0.00090 | 0.00869 | 0.04268 | 56.6438 |

## 3.50. P.II CC-07 Structural & Mechanical Installation (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64778 | 0.54737 | 4.80155 | 7.67002 | 0.01464 | 0.14799 | — | 0.14799 | 0.13707 | — | 0.13707 | — | 1,379.32 | 1,379.32 | 0.05595 | 0.01119 | — | 1,384.06 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15085 | 0.12747 | 1.11817 | 1.78617 | 0.00341 | 0.03446 | — | 0.03446 | 0.03192 | — | 0.03192 | — | 321.212 | 321.212 | 0.01303 | 0.00261 | — | 322.314 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02753 | 0.02326 | 0.20407 | 0.32598 | 0.00062 | 0.00629 | — | 0.00629 | 0.00583 | — | 0.00583 | — | 53.1803 | 53.1803 | 0.00216 | 0.00043 | — | 53.3628 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00731 | 0.00385 | 0.17082 | 0.05947 | 0.00120 | 0.00241 | 0.04580 | 0.04821 | 0.00241 | 0.01265 | 0.01506 | — | 150.591 | 150.591 | 0.00200 | 0.02259 | 0.23926 | 157.613 |
| Hauling | 0.04674 | 0.02205 | 1.56563 | 0.34374 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,400.01 | 1,400.01 | 0.02328 | 0.22505 | 2.55891 | 1,470.22 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00167 | 0.00087 | 0.04149 | 0.01407 | 0.00028 | 0.00056 | 0.01066 | 0.01122 | 0.00056 | 0.00295 | 0.00351 | — | 35.0843 | 35.0843 | 0.00047 | 0.00526 | 0.02405 | 36.6878 |
| Hauling | 0.01064 | 0.00497 | 0.38013 | 0.08063 | 0.00242 | 0.00702 | 0.09842 | 0.10544 | 0.00702 | 0.02695 | 0.03397 | — | 326.096 | 326.096 | 0.00542 | 0.05249 | 0.25778 | 342.132 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00031 | 0.00016 | 0.00757 | 0.00257 | 0.00005 | 0.00010 | 0.00195 | 0.00205 | 0.00010 | 0.00054 | 0.00064 | — | 5.80860 | 5.80860 | 0.00008 | 0.00087 | 0.00398 | 6.07409 |
| Hauling | 0.00194 | 0.00091 | 0.06937 | 0.01471 | 0.00044 | 0.00128 | 0.01796 | 0.01924 | 0.00128 | 0.00492 | 0.00620 | — | 53.9890 | 53.9890 | 0.00090 | 0.00869 | 0.04268 | 56.6438 |

## 3.51. P.II CC-08 Electrical and Instrumentation Installation (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.48475 | 0.40265 | 3.84973 | 4.40646 | 0.00786 | 0.10428 | — | 0.10428 | 0.09594 | — | 0.09594 | — | 694.253 | 694.253 | 0.02816 | 0.00563 | — | 696.635 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.48475 | 0.40265 | 3.84973 | 4.40646 | 0.00786 | 0.10428 | — | 0.10428 | 0.09594 | — | 0.09594 | — | 694.253 | 694.253 | 0.02816 | 0.00563 | — | 696.635 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.11270 | 0.09361 | 0.89501 | 1.02444 | 0.00183 | 0.02424 | — | 0.02424 | 0.02230 | — | 0.02230 | — | 161.404 | 161.404 | 0.00655 | 0.00131 | — | 161.957 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.02057 | 0.01708 | 0.16334 | 0.18696 | 0.00033 | 0.00442 | — | 0.00442 | 0.00407 | — | 0.00407 | — | 26.7222 | 26.7222 | 0.00108 | 0.00022 | — | 26.8139 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00488 | 0.00257 | 0.11388 | 0.03965 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00160 | 0.00844 | 0.01004 | — | 100.394 | 100.394 | 0.00133 | 0.01506 | 0.15951 | 105.076 |
| Hauling | 0.02337 | 0.01102 | 0.78282 | 0.17187 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 700.007 | 700.007 | 0.01164 | 0.11252 | 1.27946 | 735.110 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00461 | 0.00239 | 0.12170 | 0.04097 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00160 | 0.00844 | 0.01004 | — | 100.497 | 100.497 | 0.00133 | 0.01506 | 0.00413 | 105.022 |
| Hauling | 0.02249 | 0.01032 | 0.83564 | 0.17469 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 700.343 | 700.343 | 0.01164 | 0.11270 | 0.03328 | 734.252 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00111 | 0.00058 | 0.02761 | 0.00936 | 0.00019 | 0.00037 | 0.00710 | 0.00747 | 0.00037 | 0.00196 | 0.00233 | — | 23.3502 | 23.3502 | 0.00031 | 0.00350 | 0.01601 | 24.4174 |
| Hauling | 0.00531 | 0.00248 | 0.18974 | 0.04024 | 0.00121 | 0.00351 | 0.04913 | 0.05263 | 0.00351 | 0.01345 | 0.01696 | — | 162.774 | 162.774 | 0.00271 | 0.02620 | 0.12867 | 170.778 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00020 | 0.00011 | 0.00504 | 0.00171 | 0.00003 | 0.00007 | 0.00130 | 0.00136 | 0.00007 | 0.00036 | 0.00043 | — | 3.86589 | 3.86589 | 0.00005 | 0.00058 | 0.00265 | 4.04259 |
| Hauling | 0.00097 | 0.00045 | 0.03463 | 0.00734 | 0.00022 | 0.00064 | 0.00897 | 0.00961 | 0.00064 | 0.00245 | 0.00309 | — | 26.9491 | 26.9491 | 0.00045 | 0.00434 | 0.02130 | 28.2743 |

## 3.52. P.II CC-08 Electrical and Instrumentation Installation (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.48475 | 0.40265 | 3.84973 | 4.40646 | 0.00786 | 0.10428 | — | 0.10428 | 0.09594 | — | 0.09594 | — | 694.253 | 694.253 | 0.02816 | 0.00563 | — | 696.635 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.48475 | 0.40265 | 3.84973 | 4.40646 | 0.00786 | 0.10428 | — | 0.10428 | 0.09594 | — | 0.09594 | — | 694.253 | 694.253 | 0.02816 | 0.00563 | — | 696.635 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.11270 | 0.09361 | 0.89501 | 1.02444 | 0.00183 | 0.02424 | — | 0.02424 | 0.02230 | — | 0.02230 | — | 161.404 | 161.404 | 0.00655 | 0.00131 | — | 161.957 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02057 | 0.01708 | 0.16334 | 0.18696 | 0.00033 | 0.00442 | — | 0.00442 | 0.00407 | — | 0.00407 | — | 26.7222 | 26.7222 | 0.00108 | 0.00022 | — | 26.8139 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00488 | 0.00257 | 0.11388 | 0.03965 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00160 | 0.00844 | 0.01004 | — | 100.394 | 100.394 | 0.00133 | 0.01506 | 0.15951 | 105.076 |
| Hauling | 0.02337 | 0.01102 | 0.78282 | 0.17187 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 700.007 | 700.007 | 0.01164 | 0.11252 | 1.27946 | 735.110 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00461 | 0.00239 | 0.12170 | 0.04097 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00160 | 0.00844 | 0.01004 | — | 100.497 | 100.497 | 0.00133 | 0.01506 | 0.00413 | 105.022 |
| Hauling | 0.02249 | 0.01032 | 0.83564 | 0.17469 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01508 | 0.05787 | 0.07295 | — | 700.343 | 700.343 | 0.01164 | 0.11270 | 0.03328 | 734.252 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00111 | 0.00058 | 0.02761 | 0.00936 | 0.00019 | 0.00037 | 0.00710 | 0.00747 | 0.00037 | 0.00196 | 0.00233 | — | 23.3502 | 23.3502 | 0.00031 | 0.00350 | 0.01601 | 24.4174 |
| Hauling | 0.00531 | 0.00248 | 0.18974 | 0.04024 | 0.00121 | 0.00351 | 0.04913 | 0.05263 | 0.00351 | 0.01345 | 0.01696 | — | 162.774 | 162.774 | 0.00271 | 0.02620 | 0.12867 | 170.778 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00020 | 0.00011 | 0.00504 | 0.00171 | 0.00003 | 0.00007 | 0.00130 | 0.00136 | 0.00007 | 0.00036 | 0.00043 | — | 3.86589 | 3.86589 | 0.00005 | 0.00058 | 0.00265 | 4.04259 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00097 | 0.00045 | 0.03463 | 0.00734 | 0.00022 | 0.00064 | 0.00897 | 0.00961 | 0.00064 | 0.00245 | 0.00309 | — | 26.9491 | 26.9491 | 0.00045 | 0.00434 | 0.02130 | 28.2743 |

## 3.53. P.II CC-08 Electrical and Instrumentation Installation (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.47181 | 0.39185 | 3.78193 | 4.39660 | 0.00786 | 0.09679 | — | 0.09679 | 0.08904 | — | 0.08904 | — | 694.251 | 694.251 | 0.02816 | 0.00563 | — | 696.633 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00222 | 0.00184 | 0.01776 | 0.02065 | 0.00004 | 0.00045 | — | 0.00045 | 0.00042 | — | 0.00042 | — | 3.26067 | 3.26067 | 0.00013 | 0.00003 | — | 3.27186 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00040 | 0.00034 | 0.00324 | 0.00377 | 0.00001 | 0.00008 | — | 0.00008 | 0.00008 | — | 0.00008 | — | 0.53984 | 0.53984 | 0.00002 | < 0.000005 | — | 0.54169 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00461 | 0.00239 | 0.11716 | 0.03910 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00080 | 0.00844 | 0.00924 | — | 97.3445 | 97.3445 | 0.00133 | 0.01426 | 0.00358 | 101.631 |
| Hauling | 0.02231 | 0.01032 | 0.81430 | 0.16984 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01005 | 0.05787 | 0.06792 | — | 681.405 | 681.405 | 0.01164 | 0.10767 | 0.02997 | 713.813 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00002 | 0.00001 | 0.00054 | 0.00018 | < 0.000005 | 0.00001 | 0.00014 | 0.00015 | < 0.000005 | 0.00004 | 0.00004 | — | 0.45691 | 0.45691 | 0.00001 | 0.00007 | 0.00028 | 0.47731 |
| Hauling | 0.00011 | 0.00005 | 0.00373 | 0.00079 | 0.00002 | 0.00007 | 0.00099 | 0.00106 | 0.00005 | 0.00027 | 0.00032 | — | 3.19942 | 3.19942 | 0.00005 | 0.00050 | 0.00235 | 3.35359 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | < 0.000005 | < 0.000005 | 0.00010 | 0.00003 | < 0.000005 | < 0.000005 | 0.00003 | 0.00003 | < 0.000005 | 0.00001 | 0.00001 | — | 0.07565 | 0.07565 | < 0.000005 | 0.00001 | 0.00005 | 0.07902 |
| Hauling | 0.00002 | 0.00001 | 0.00068 | 0.00014 | < 0.000005 | 0.00001 | 0.00018 | 0.00019 | 0.00001 | 0.00005 | 0.00006 | — | 0.52970 | 0.52970 | 0.00001 | 0.00008 | 0.00039 | 0.55522 |

## 3.54. P.II CC-08 Electrical and Instrumentation Installation (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.47181 | 0.39185 | 3.78193 | 4.39660 | 0.00786 | 0.09679 | — | 0.09679 | 0.08904 | — | 0.08904 | — | 694.251 | 694.251 | 0.02816 | 0.00563 | — | 696.633 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.00222 | 0.00184 | 0.01776 | 0.02065 | 0.00004 | 0.00045 | — | 0.00045 | 0.00042 | — | 0.00042 | — | 3.26067 | 3.26067 | 0.00013 | 0.00003 | — | 3.27186 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.00040 | 0.00034 | 0.00324 | 0.00377 | 0.00001 | 0.00008 | — | 0.00008 | 0.00008 | — | 0.00008 | — | 0.53984 | 0.53984 | 0.00002 | < 0.000005 | — | 0.54169 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00461 | 0.00239 | 0.11716 | 0.03910 | 0.00080 | 0.00160 | 0.03053 | 0.03214 | 0.00080 | 0.00844 | 0.00924 | — | 97.3445 | 97.3445 | 0.00133 | 0.01426 | 0.00358 | 101.631 |
| Hauling | 0.02231 | 0.01032 | 0.81430 | 0.16984 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01005 | 0.05787 | 0.06792 | — | 681.405 | 681.405 | 0.01164 | 0.10767 | 0.02997 | 713.813 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00002 | 0.00001 | 0.00054 | 0.00018 | < 0.000005 | 0.00001 | 0.00014 | 0.00015 | < 0.000005 | 0.00004 | 0.00004 | — | 0.45691 | 0.45691 | 0.00001 | 0.00007 | 0.00028 | 0.47731 |
| Hauling | 0.00011 | 0.00005 | 0.00373 | 0.00079 | 0.00002 | 0.00007 | 0.00099 | 0.00106 | 0.00005 | 0.00027 | 0.00032 | — | 3.19942 | 3.19942 | 0.00005 | 0.00050 | 0.00235 | 3.35359 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | < 0.000005 | < 0.000005 | 0.00010 | 0.00003 | < 0.000005 | < 0.000005 | 0.00003 | 0.00003 | < 0.000005 | 0.00001 | 0.00001 | — | 0.07565 | 0.07565 | < 0.000005 | 0.00001 | 0.00005 | 0.07902 |
| Hauling | 0.00002 | 0.00001 | 0.00068 | 0.00014 | < 0.000005 | 0.00001 | 0.00018 | 0.00019 | 0.00001 | 0.00005 | 0.00006 | — | 0.52970 | 0.52970 | 0.00001 | 0.00008 | 0.00039 | 0.55522 |

## 3.55. P.II CC-11 Dome #6 Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83328 | 1.53482 | 11.4627 | 16.2471 | 0.04487 | 0.37067 | — | 0.37067 | 0.34102 | — | 0.34102 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.26 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83328 | 1.53482 | 11.4627 | 16.2471 | 0.04487 | 0.37067 | — | 0.37067 | 0.34102 | — | 0.34102 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.26 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65869 | 0.55145 | 4.11851 | 5.83752 | 0.01612 | 0.13318 | — | 0.13318 | 0.12253 | — | 0.12253 | — | 1,676.56 | 1,676.56 | 0.06801 | 0.01360 | — | 1,682.31 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12021 | 0.10064 | 0.75163 | 1.06535 | 0.00294 | 0.02431 | — | 0.02431 | 0.02236 | — | 0.02236 | — | 277.574 | 277.574 | 0.01126 | 0.00225 | — | 278.526 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01463 | 0.00770 | 0.34165 | 0.11894 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00481 | 0.02531 | 0.03012 | — | 301.183 | 301.183 | 0.00399 | 0.04519 | 0.47853 | 315.227 |
| Hauling | 0.03505 | 0.01653 | 1.17423 | 0.25781 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,050.01 | 1,050.01 | 0.01746 | 0.16879 | 1.91918 | 1,102.66 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01384 | 0.00717 | 0.36511 | 0.12291 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00481 | 0.02531 | 0.03012 | — | 301.490 | 301.490 | 0.00399 | 0.04519 | 0.01239 | 315.067 |
| Hauling | 0.03373 | 0.01548 | 1.25346 | 0.26204 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,050.51 | 1,050.51 | 0.01746 | 0.16905 | 0.04992 | 1,101.38 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00516 | 0.00267 | 0.12803 | 0.04340 | 0.00086 | 0.00173 | 0.03290 | 0.03463 | 0.00173 | 0.00909 | 0.01082 | — | 108.260 | 108.260 | 0.00144 | 0.01624 | 0.07422 | 113.208 |
| Hauling | 0.01231 | 0.00575 | 0.43986 | 0.09329 | 0.00280 | 0.00813 | 0.11389 | 0.12201 | 0.00813 | 0.03118 | 0.03931 | — | 377.340 | 377.340 | 0.00627 | 0.06074 | 0.29829 | 395.895 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00094 | 0.00049 | 0.02336 | 0.00792 | 0.00016 | 0.00032 | 0.00600 | 0.00632 | 0.00032 | 0.00166 | 0.00197 | — | 17.9237 | 17.9237 | 0.00024 | 0.00269 | 0.01229 | 18.7429 |
| Hauling | 0.00225 | 0.00105 | 0.08027 | 0.01703 | 0.00051 | 0.00148 | 0.02078 | 0.02227 | 0.00148 | 0.00569 | 0.00717 | — | 62.4730 | 62.4730 | 0.00104 | 0.01006 | 0.04939 | 65.5450 |

## 3.56. P.II CC-11 Dome #6 Construction (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.17305 | 1.02877 | 8.70439 | 24.9757 | 0.04487 | 0.26880 | — | 0.26880 | 0.25218 | — | 0.25218 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.26 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.17305 | 1.02877 | 8.70439 | 24.9757 | 0.04487 | 0.26880 | — | 0.26880 | 0.25218 | — | 0.25218 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.26 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42147 | 0.36963 | 3.12745 | 8.97366 | 0.01612 | 0.09658 | — | 0.09658 | 0.09061 | — | 0.09061 | — | 1,676.56 | 1,676.56 | 0.06801 | 0.01360 | — | 1,682.31 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07692 | 0.06746 | 0.57076 | 1.63769 | 0.00294 | 0.01763 | — | 0.01763 | 0.01654 | — | 0.01654 | — | 277.574 | 277.574 | 0.01126 | 0.00225 | — | 278.526 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01463 | 0.00770 | 0.34165 | 0.11894 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00481 | 0.02531 | 0.03012 | — | 301.183 | 301.183 | 0.00399 | 0.04519 | 0.47853 | 315.227 |
| Hauling | 0.03505 | 0.01653 | 1.17423 | 0.25781 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,050.01 | 1,050.01 | 0.01746 | 0.16879 | 1.91918 | 1,102.66 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01384 | 0.00717 | 0.36511 | 0.12291 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00481 | 0.02531 | 0.03012 | — | 301.490 | 301.490 | 0.00399 | 0.04519 | 0.01239 | 315.067 |
| Hauling | 0.03373 | 0.01548 | 1.25346 | 0.26204 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.02262 | 0.08680 | 0.10942 | — | 1,050.51 | 1,050.51 | 0.01746 | 0.16905 | 0.04992 | 1,101.38 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00516 | 0.00267 | 0.12803 | 0.04340 | 0.00086 | 0.00173 | 0.03290 | 0.03463 | 0.00173 | 0.00909 | 0.01082 | — | 108.260 | 108.260 | 0.00144 | 0.01624 | 0.07422 | 113.208 |
| Hauling | 0.01231 | 0.00575 | 0.43986 | 0.09329 | 0.00280 | 0.00813 | 0.11389 | 0.12201 | 0.00813 | 0.03118 | 0.03931 | — | 377.340 | 377.340 | 0.00627 | 0.06074 | 0.29829 | 395.895 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00094 | 0.00049 | 0.02336 | 0.00792 | 0.00016 | 0.00032 | 0.00600 | 0.00632 | 0.00032 | 0.00166 | 0.00197 | — | 17.9237 | 17.9237 | 0.00024 | 0.00269 | 0.01229 | 18.7429 |
| Hauling | 0.00225 | 0.00105 | 0.08027 | 0.01703 | 0.00051 | 0.00148 | 0.02078 | 0.02227 | 0.00148 | 0.00569 | 0.00717 | — | 62.4730 | 62.4730 | 0.00104 | 0.01006 | 0.04939 | 65.5450 |

## 3.57. P.II CC-11 Dome #6 Construction (2031) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.78603 | 1.49520 | 11.0357 | 16.2198 | 0.04487 | 0.35286 | — | 0.35286 | 0.32463 | — | 0.32463 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.25 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.78603 | 1.49520 | 11.0357 | 16.2198 | 0.04487 | 0.35286 | — | 0.35286 | 0.32463 | — | 0.32463 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.25 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.51169 | 0.42837 | 3.16169 | 4.64694 | 0.01286 | 0.10109 | — | 0.10109 | 0.09301 | — | 0.09301 | — | 1,336.86 | 1,336.86 | 0.05423 | 0.01085 | — | 1,341.45 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09338 | 0.07818 | 0.57701 | 0.84807 | 0.00235 | 0.01845 | — | 0.01845 | 0.01697 | — | 0.01697 | — | 221.333 | 221.333 | 0.00898 | 0.00180 | — | 222.092 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01463 | 0.00770 | 0.33016 | 0.11601 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00241 | 0.02531 | 0.02771 | — | 291.724 | 291.724 | 0.00399 | 0.04278 | 0.41312 | 304.985 |
| Hauling | 0.03479 | 0.01653 | 1.14221 | 0.25053 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.01508 | 0.08680 | 0.10188 | — | 1,021.60 | 1,021.60 | 0.01746 | 0.16125 | 1.73589 | 1,071.83 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01384 | 0.00717 | 0.35149 | 0.11730 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00241 | 0.02531 | 0.02771 | — | 292.034 | 292.034 | 0.00399 | 0.04278 | 0.01074 | 304.892 |
| Hauling | 0.03347 | 0.01548 | 1.22145 | 0.25477 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.01508 | 0.08680 | 0.10188 | — | 1,022.11 | 1,022.11 | 0.01746 | 0.16151 | 0.04496 | 1,070.72 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00412 | 0.00213 | 0.09818 | 0.03300 | 0.00069 | 0.00138 | 0.02624 | 0.02762 | 0.00069 | 0.00725 | 0.00794 | — | 83.6153 | 83.6153 | 0.00114 | 0.01226 | 0.05119 | 87.3474 |
| Hauling | 0.00982 | 0.00459 | 0.34157 | 0.07231 | 0.00224 | 0.00648 | 0.09081 | 0.09729 | 0.00432 | 0.02486 | 0.02918 | — | 292.747 | 292.747 | 0.00500 | 0.04620 | 0.21468 | 306.853 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00075 | 0.00039 | 0.01792 | 0.00602 | 0.00013 | 0.00025 | 0.00479 | 0.00504 | 0.00013 | 0.00132 | 0.00145 | — | 13.8435 | 13.8435 | 0.00019 | 0.00203 | 0.00847 | 14.4614 |
| Hauling | 0.00179 | 0.00084 | 0.06234 | 0.01320 | 0.00041 | 0.00118 | 0.01657 | 0.01776 | 0.00079 | 0.00454 | 0.00533 | — | 48.4676 | 48.4676 | 0.00083 | 0.00765 | 0.03554 | 50.8031 |

## 3.58. P.II CC-11 Dome #6 Construction (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.14552 | 1.00571 | 8.54072 | 24.9564 | 0.04487 | 0.25219 | — | 0.25219 | 0.23689 | — | 0.23689 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.25 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.14552 | 1.00571 | 8.54072 | 24.9564 | 0.04487 | 0.25219 | — | 0.25219 | 0.23689 | — | 0.23689 | — | 4,666.24 | 4,666.24 | 0.18928 | 0.03786 | — | 4,682.25 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.32819 | 0.28813 | 2.44689 | 7.14993 | 0.01286 | 0.07225 | — | 0.07225 | 0.06787 | — | 0.06787 | — | 1,336.86 | 1,336.86 | 0.05423 | 0.01085 | — | 1,341.45 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05989 | 0.05258 | 0.44656 | 1.30486 | 0.00235 | 0.01319 | — | 0.01319 | 0.01239 | — | 0.01239 | — | 221.333 | 221.333 | 0.00898 | 0.00180 | — | 222.092 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01463 | 0.00770 | 0.33016 | 0.11601 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00241 | 0.02531 | 0.02771 | — | 291.724 | 291.724 | 0.00399 | 0.04278 | 0.41312 | 304.985 |
| Hauling | 0.03479 | 0.01653 | 1.14221 | 0.25053 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.01508 | 0.08680 | 0.10188 | — | 1,021.60 | 1,021.60 | 0.01746 | 0.16125 | 1.73589 | 1,071.83 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01384 | 0.00717 | 0.35149 | 0.11730 | 0.00241 | 0.00481 | 0.09160 | 0.09641 | 0.00241 | 0.02531 | 0.02771 | — | 292.034 | 292.034 | 0.00399 | 0.04278 | 0.01074 | 304.892 |
| Hauling | 0.03347 | 0.01548 | 1.22145 | 0.25477 | 0.00780 | 0.02262 | 0.31703 | 0.33965 | 0.01508 | 0.08680 | 0.10188 | — | 1,022.11 | 1,022.11 | 0.01746 | 0.16151 | 0.04496 | 1,070.72 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00412 | 0.00213 | 0.09818 | 0.03300 | 0.00069 | 0.00138 | 0.02624 | 0.02762 | 0.00069 | 0.00725 | 0.00794 | — | 83.6153 | 83.6153 | 0.00114 | 0.01226 | 0.05119 | 87.3474 |
| Hauling | 0.00982 | 0.00459 | 0.34157 | 0.07231 | 0.00224 | 0.00648 | 0.09081 | 0.09729 | 0.00432 | 0.02486 | 0.02918 | — | 292.747 | 292.747 | 0.00500 | 0.04620 | 0.21468 | 306.853 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00075 | 0.00039 | 0.01792 | 0.00602 | 0.00013 | 0.00025 | 0.00479 | 0.00504 | 0.00013 | 0.00132 | 0.00145 | — | 13.8435 | 13.8435 | 0.00019 | 0.00203 | 0.00847 | 14.4614 |
| Hauling | 0.00179 | 0.00084 | 0.06234 | 0.01320 | 0.00041 | 0.00118 | 0.01657 | 0.01776 | 0.00079 | 0.00454 | 0.00533 | — | 48.4676 | 48.4676 | 0.00083 | 0.00765 | 0.03554 | 50.8031 |

## 3.59. P.II Checkout (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20893 | 0.17322 | 1.64272 | 1.80233 | 0.00337 | 0.03761 | — | 0.03761 | 0.03461 | — | 0.03461 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.00245 | 0.00203 | 0.01929 | 0.02116 | 0.00004 | 0.00044 | — | 0.00044 | 0.00041 | — | 0.00041 | — | 3.36016 | 3.36016 | 0.00014 | 0.00003 | — | 3.37169 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00045 | 0.00037 | 0.00352 | 0.00386 | 0.00001 | 0.00008 | — | 0.00008 | 0.00007 | — | 0.00007 | — | 0.55631 | 0.55631 | 0.00002 | < 0.000005 | — | 0.55822 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01124 | 0.00516 | 0.41782 | 0.08735 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 350.171 | 350.171 | 0.00582 | 0.05635 | 0.01664 | 367.126 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00013 | 0.00006 | 0.00479 | 0.00102 | 0.00003 | 0.00009 | 0.00124 | 0.00133 | 0.00009 | 0.00034 | 0.00043 | — | 4.11046 | 4.11046 | 0.00007 | 0.00066 | 0.00325 | 4.31259 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00002 | 0.00001 | 0.00087 | 0.00019 | 0.00001 | 0.00002 | 0.00023 | 0.00024 | 0.00002 | 0.00006 | 0.00008 | — | 0.68053 | 0.68053 | 0.00001 | 0.00011 | 0.00054 | 0.71400 |

## 3.60. P.II Checkout (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20893 | 0.17322 | 1.64272 | 1.80233 | 0.00337 | 0.03761 | — | 0.03761 | 0.03461 | — | 0.03461 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00245 | 0.00203 | 0.01929 | 0.02116 | 0.00004 | 0.00044 | — | 0.00044 | 0.00041 | — | 0.00041 | — | 3.36016 | 3.36016 | 0.00014 | 0.00003 | — | 3.37169 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00045 | 0.00037 | 0.00352 | 0.00386 | 0.00001 | 0.00008 | — | 0.00008 | 0.00007 | — | 0.00007 | — | 0.55631 | 0.55631 | 0.00002 | < 0.000005 | — | 0.55822 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01124 | 0.00516 | 0.41782 | 0.08735 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00754 | 0.02893 | 0.03647 | — | 350.171 | 350.171 | 0.00582 | 0.05635 | 0.01664 | 367.126 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00013 | 0.00006 | 0.00479 | 0.00102 | 0.00003 | 0.00009 | 0.00124 | 0.00133 | 0.00009 | 0.00034 | 0.00043 | — | 4.11046 | 4.11046 | 0.00007 | 0.00066 | 0.00325 | 4.31259 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00002 | 0.00001 | 0.00087 | 0.00019 | 0.00001 | 0.00002 | 0.00023 | 0.00024 | 0.00002 | 0.00006 | 0.00008 | — | 0.68053 | 0.68053 | 0.00001 | 0.00011 | 0.00054 | 0.71400 |

## 3.61. P.II Checkout (2031) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05741 | 0.04760 | 0.45547 | 0.50279 | 0.00094 | 0.00999 | — | 0.00999 | 0.00919 | — | 0.00919 | — | 79.9717 | 79.9717 | 0.00324 | 0.00065 | — | 80.2461 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01048 | 0.00869 | 0.08312 | 0.09176 | 0.00017 | 0.00182 | — | 0.00182 | 0.00168 | — | 0.00168 | — | 13.2402 | 13.2402 | 0.00054 | 0.00011 | — | 13.2857 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01116 | 0.00516 | 0.40715 | 0.08492 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.702 | 340.702 | 0.00582 | 0.05384 | 0.01499 | 356.906 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00319 | 0.00149 | 0.11106 | 0.02351 | 0.00073 | 0.00211 | 0.02953 | 0.03163 | 0.00140 | 0.00808 | 0.00949 | — | 95.1828 | 95.1828 | 0.00163 | 0.01502 | 0.06980 | 99.7693 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00058 | 0.00027 | 0.02027 | 0.00429 | 0.00013 | 0.00038 | 0.00539 | 0.00577 | 0.00026 | 0.00148 | 0.00173 | — | 15.7586 | 15.7586 | 0.00027 | 0.00249 | 0.01156 | 16.5179 |

## 3.62. P.II Checkout (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.05741 | 0.04760 | 0.45547 | 0.50279 | 0.00094 | 0.00999 | — | 0.00999 | 0.00919 | — | 0.00919 | — | 79.9717 | 79.9717 | 0.00324 | 0.00065 | — | 80.2461 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01048 | 0.00869 | 0.08312 | 0.09176 | 0.00017 | 0.00182 | — | 0.00182 | 0.00168 | — | 0.00168 | — | 13.2402 | 13.2402 | 0.00054 | 0.00011 | — | 13.2857 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01116 | 0.00516 | 0.40715 | 0.08492 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.702 | 340.702 | 0.00582 | 0.05384 | 0.01499 | 356.906 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00319 | 0.00149 | 0.11106 | 0.02351 | 0.00073 | 0.00211 | 0.02953 | 0.03163 | 0.00140 | 0.00808 | 0.00949 | — | 95.1828 | 95.1828 | 0.00163 | 0.01502 | 0.06980 | 99.7693 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00058 | 0.00027 | 0.02027 | 0.00429 | 0.00013 | 0.00038 | 0.00539 | 0.00577 | 0.00026 | 0.00148 | 0.00173 | — | 15.7586 | 15.7586 | 0.00027 | 0.00249 | 0.01156 | 16.5179 |

## 3.63. P.II Dry Commissioning (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00394 | 0.00327 | 0.03126 | 0.03451 | 0.00006 | 0.00069 | — | 0.00069 | 0.00063 | — | 0.00063 | — | 5.48825 | 5.48825 | 0.00022 | 0.00004 | — | 5.50709 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00072 | 0.00060 | 0.00570 | 0.00630 | 0.00001 | 0.00013 | — | 0.00013 | 0.00012 | — | 0.00012 | — | 0.90864 | 0.90864 | 0.00004 | 0.00001 | — | 0.91176 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00022 | 0.00010 | 0.00762 | 0.00161 | 0.00005 | 0.00014 | 0.00203 | 0.00217 | 0.00010 | 0.00055 | 0.00065 | — | 6.53215 | 6.53215 | 0.00011 | 0.00103 | 0.00479 | 6.84691 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00004 | 0.00002 | 0.00139 | 0.00029 | 0.00001 | 0.00003 | 0.00037 | 0.00040 | 0.00002 | 0.00010 | 0.00012 | — | 1.08147 | 1.08147 | 0.00002 | 0.00017 | 0.00079 | 1.13358 |

## 3.64. P.II Dry Commissioning (2031) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00394 | 0.00327 | 0.03126 | 0.03451 | 0.00006 | 0.00069 | — | 0.00069 | 0.00063 | — | 0.00063 | — | 5.48825 | 5.48825 | 0.00022 | 0.00004 | — | 5.50709 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00072 | 0.00060 | 0.00570 | 0.00630 | 0.00001 | 0.00013 | — | 0.00013 | 0.00012 | — | 0.00012 | — | 0.90864 | 0.90864 | 0.00004 | 0.00001 | — | 0.91176 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00022 | 0.00010 | 0.00762 | 0.00161 | 0.00005 | 0.00014 | 0.00203 | 0.00217 | 0.00010 | 0.00055 | 0.00065 | — | 6.53215 | 6.53215 | 0.00011 | 0.00103 | 0.00479 | 6.84691 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00004 | 0.00002 | 0.00139 | 0.00029 | 0.00001 | 0.00003 | 0.00037 | 0.00040 | 0.00002 | 0.00010 | 0.00012 | — | 1.08147 | 1.08147 | 0.00002 | 0.00017 | 0.00079 | 1.13358 |

## 3.65. P.II Wet Commissioning (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00394 | 0.00327 | 0.03126 | 0.03451 | 0.00006 | 0.00069 | — | 0.00069 | 0.00063 | — | 0.00063 | — | 5.48825 | 5.48825 | 0.00022 | 0.00004 | — | 5.50709 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00072 | 0.00060 | 0.00570 | 0.00630 | 0.00001 | 0.00013 | — | 0.00013 | 0.00012 | — | 0.00012 | — | 0.90864 | 0.90864 | 0.00004 | 0.00001 | — | 0.91176 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00022 | 0.00010 | 0.00762 | 0.00161 | 0.00005 | 0.00014 | 0.00203 | 0.00217 | 0.00010 | 0.00055 | 0.00065 | — | 6.53215 | 6.53215 | 0.00011 | 0.00103 | 0.00479 | 6.84691 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00004 | 0.00002 | 0.00139 | 0.00029 | 0.00001 | 0.00003 | 0.00037 | 0.00040 | 0.00002 | 0.00010 | 0.00012 | — | 1.08147 | 1.08147 | 0.00002 | 0.00017 | 0.00079 | 1.13358 |

## 3.66. P.II Wet Commissioning (2031) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.20545 | 0.17033 | 1.62988 | 1.79921 | 0.00337 | 0.03573 | — | 0.03573 | 0.03287 | — | 0.03287 | — | 286.173 | 286.173 | 0.01161 | 0.00232 | — | 287.155 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00394 | 0.00327 | 0.03126 | 0.03451 | 0.00006 | 0.00069 | — | 0.00069 | 0.00063 | — | 0.00063 | — | 5.48825 | 5.48825 | 0.00022 | 0.00004 | — | 5.50709 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00072 | 0.00060 | 0.00570 | 0.00630 | 0.00001 | 0.00013 | — | 0.00013 | 0.00012 | — | 0.00012 | — | 0.90864 | 0.90864 | 0.00004 | 0.00001 | — | 0.91176 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.01160 | 0.00551 | 0.38074 | 0.08351 | 0.00260 | 0.00754 | 0.10568 | 0.11322 | 0.00503 | 0.02893 | 0.03396 | — | 340.535 | 340.535 | 0.00582 | 0.05375 | 0.57863 | 357.276 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00022 | 0.00010 | 0.00762 | 0.00161 | 0.00005 | 0.00014 | 0.00203 | 0.00217 | 0.00010 | 0.00055 | 0.00065 | — | 6.53215 | 6.53215 | 0.00011 | 0.00103 | 0.00479 | 6.84691 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00004 | 0.00002 | 0.00139 | 0.00029 | 0.00001 | 0.00003 | 0.00037 | 0.00040 | 0.00002 | 0.00010 | 0.00012 | — | 1.08147 | 1.08147 | 0.00002 | 0.00017 | 0.00079 | 1.13358 |

## 3.67. P.II Float (2031) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41399 | 0.34556 | 3.05970 | 3.62646 | 0.00809 | 0.09854 | — | 0.09854 | 0.09065 | — | 0.09065 | — | 797.955 | 797.955 | 0.03237 | 0.00647 | — | 800.694 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02836 | 0.02367 | 0.20957 | 0.24839 | 0.00055 | 0.00675 | — | 0.00675 | 0.00621 | — | 0.00621 | — | 54.6545 | 54.6545 | 0.00222 | 0.00044 | — | 54.8420 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.00517 | 0.00432 | 0.03825 | 0.04533 | 0.00010 | 0.00123 | — | 0.00123 | 0.00113 | — | 0.00113 | — | 9.04867 | 9.04867 | 0.00037 | 0.00007 | — | 9.07973 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02319 | 0.01102 | 0.76148 | 0.16702 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01005 | 0.05787 | 0.06792 | — | 681.069 | 681.069 | 0.01164 | 0.10750 | 1.15726 | 714.552 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00156 | 0.00073 | 0.05444 | 0.01152 | 0.00036 | 0.00103 | 0.01447 | 0.01551 | 0.00069 | 0.00396 | 0.00465 | — | 46.6582 | 46.6582 | 0.00080 | 0.00736 | 0.03422 | 48.9065 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00029 | 0.00013 | 0.00994 | 0.00210 | 0.00007 | 0.00019 | 0.00264 | 0.00283 | 0.00013 | 0.00072 | 0.00085 | — | 7.72480 | 7.72480 | 0.00013 | 0.00122 | 0.00566 | 8.09703 |

## 3.68. P.II Float (2031) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.28526 | 0.24393 | 2.16996 | 4.45483 | 0.00809 | 0.05865 | — | 0.05865 | 0.05461 | — | 0.05461 | — | 797.955 | 797.955 | 0.03237 | 0.00647 | — | 800.694 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.01954 | 0.01671 | 0.14863 | 0.30513 | 0.00055 | 0.00402 | — | 0.00402 | 0.00374 | — | 0.00374 | — | 54.6545 | 54.6545 | 0.00222 | 0.00044 | — | 54.8420 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Roa d Equipm ent | 0.00357 | 0.00305 | 0.02712 | 0.05569 | 0.00010 | 0.00073 | — | 0.00073 | 0.00068 | — | 0.00068 | — | 9.04867 | 9.04867 | 0.00037 | 0.00007 | — | 9.07973 |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02319 | 0.01102 | 0.76148 | 0.16702 | 0.00520 | 0.01508 | 0.21136 | 0.22644 | 0.01005 | 0.05787 | 0.06792 | — | 681.069 | 681.069 | 0.01164 | 0.10750 | 1.15726 | 714.552 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00156 | 0.00073 | 0.05444 | 0.01152 | 0.00036 | 0.00103 | 0.01447 | 0.01551 | 0.00069 | 0.00396 | 0.00465 | — | 46.6582 | 46.6582 | 0.00080 | 0.00736 | 0.03422 | 48.9065 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00029 | 0.00013 | 0.00994 | 0.00210 | 0.00007 | 0.00019 | 0.00264 | 0.00283 | 0.00013 | 0.00072 | 0.00085 | — | 7.72480 | 7.72480 | 0.00013 | 0.00122 | 0.00566 | 8.09703 |

## 3.69. Phase 1 Worker Trips (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.84953 | 0.78388 | 0.50367 | 9.63398 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,811.32 | 1,811.32 | 0.03527 | 0.06565 | 6.21494 | 1,837.99 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80103 | 0.72656 | 0.63498 | 7.62702 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,637.20 | 1,637.20 | 0.04409 | 0.07006 | 0.16118 | 1,659.34 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.32177 | 0.29347 | 0.22996 | 3.15331 | 0.00000 | 0.00000 | 0.67846 | 0.67846 | 0.00000 | 0.15903 | 0.15903 | — | 677.825 | 677.825 | 0.01603 | 0.02830 | 1.08406 | 687.743 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05872 | 0.05356 | 0.04197 | 0.57548 | 0.00000 | 0.00000 | 0.12382 | 0.12382 | 0.00000 | 0.02902 | 0.02902 | — | 112.222 | 112.222 | 0.00265 | 0.00469 | 0.17948 | 113.864 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.70. Phase 1 Worker Trips (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.84953 | 0.78388 | 0.50367 | 9.63398 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,811.32 | 1,811.32 | 0.03527 | 0.06565 | 6.21494 | 1,837.99 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80103 | 0.72656 | 0.63498 | 7.62702 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,637.20 | 1,637.20 | 0.04409 | 0.07006 | 0.16118 | 1,659.34 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.32177 | 0.29347 | 0.22996 | 3.15331 | 0.00000 | 0.00000 | 0.67846 | 0.67846 | 0.00000 | 0.15903 | 0.15903 | — | 677.825 | 677.825 | 0.01603 | 0.02830 | 1.08406 | 687.743 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05872 | 0.05356 | 0.04197 | 0.57548 | 0.00000 | 0.00000 | 0.12382 | 0.12382 | 0.00000 | 0.02902 | 0.02902 | — | 112.222 | 112.222 | 0.00265 | 0.00469 | 0.17948 | 113.864 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.71. Phase 1 Worker Trips (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80985 | 0.74419 | 0.44242 | 8.95147 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,782.70 | 1,782.70 | 0.03086 | 0.06565 | 5.59269 | 1,808.63 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.70451 | 0.68687 | 0.57373 | 7.04888 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,611.82 | 1,611.82 | 0.04409 | 0.07006 | 0.14469 | 1,633.95 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.60387 | 0.58875 | 0.43549 | 6.21874 | 0.00000 | 0.00000 | 1.43975 | 1.43975 | 0.00000 | 0.33747 | 0.33747 | — | 1,416.03 | 1,416.03 | 0.03023 | 0.06005 | 2.06915 | 1,436.75 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.11021 | 0.10745 | 0.07948 | 1.13492 | 0.00000 | 0.00000 | 0.26276 | 0.26276 | 0.00000 | 0.06159 | 0.06159 | — | 234.439 | 234.439 | 0.00501 | 0.00994 | 0.34257 | 237.870 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.72. Phase 1 Worker Trips (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80985 | 0.74419 | 0.44242 | 8.95147 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,782.70 | 1,782.70 | 0.03086 | 0.06565 | 5.59269 | 1,808.63 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.70451 | 0.68687 | 0.57373 | 7.04888 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,611.82 | 1,611.82 | 0.04409 | 0.07006 | 0.14469 | 1,633.95 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.60387 | 0.58875 | 0.43549 | 6.21874 | 0.00000 | 0.00000 | 1.43975 | 1.43975 | 0.00000 | 0.33747 | 0.33747 | — | 1,416.03 | 1,416.03 | 0.03023 | 0.06005 | 2.06915 | 1,436.75 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.11021 | 0.10745 | 0.07948 | 1.13492 | 0.00000 | 0.00000 | 0.26276 | 0.26276 | 0.00000 | 0.06159 | 0.06159 | — | 234.439 | 234.439 | 0.00501 | 0.00994 | 0.34257 | 237.870 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.73. Phase 1 Worker Trips (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.72215 | 0.70892 | 0.43361 | 8.33462 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,748.09 | 1,748.09 | 0.03086 | 0.06565 | 5.00044 | 1,773.43 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.66924 | 0.59917 | 0.51249 | 6.58882 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,580.89 | 1,580.89 | 0.03968 | 0.07006 | 0.12970 | 1,602.89 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.37650 | 0.33734 | 0.27904 | 3.75401 | 0.00000 | 0.00000 | 0.93880 | 0.93880 | 0.00000 | 0.22005 | 0.22005 | — | 905.539 | 905.539 | 0.01971 | 0.03669 | 1.20674 | 918.174 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.06871 | 0.06157 | 0.05092 | 0.68511 | 0.00000 | 0.00000 | 0.17133 | 0.17133 | 0.00000 | 0.04016 | 0.04016 | — | 149.922 | 149.922 | 0.00326 | 0.00608 | 0.19979 | 152.014 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.74. Phase 1 Worker Trips (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.72215 | 0.70892 | 0.43361 | 8.33462 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,748.09 | 1,748.09 | 0.03086 | 0.06565 | 5.00044 | 1,773.43 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.66924 | 0.59917 | 0.51249 | 6.58882 | 0.00000 | 0.00000 | 1.68015 | 1.68015 | 0.00000 | 0.39382 | 0.39382 | — | 1,580.89 | 1,580.89 | 0.03968 | 0.07006 | 0.12970 | 1,602.89 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.37650 | 0.33734 | 0.27904 | 3.75401 | 0.00000 | 0.00000 | 0.93880 | 0.93880 | 0.00000 | 0.22005 | 0.22005 | — | 905.539 | 905.539 | 0.01971 | 0.03669 | 1.20674 | 918.174 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06871 | 0.06157 | 0.05092 | 0.68511 | 0.00000 | 0.00000 | 0.17133 | 0.17133 | 0.00000 | 0.04016 | 0.04016 | — | 149.922 | 149.922 | 0.00326 | 0.00608 | 0.19979 | 152.014 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.75. Phase 2 Worker Trips (2030) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.27182 | 0.24610 | 0.13437 | 3.05770 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 708.657 | 708.657 | 0.01111 | 0.00556 | 1.65622 | 712.247 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.25330 | 0.22573 | 0.18767 | 2.41954 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 641.159 | 641.159 | 0.01482 | 0.02757 | 0.04282 | 649.789 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.20192 | 0.17864 | 0.12670 | 1.95454 | 0.00000 | 0.00000 | 0.55831 | 0.55831 | 0.00000 | 0.13086 | 0.13086 | — | 519.980 | 519.980 | 0.01026 | 0.02182 | 0.56565 | 527.305 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03685 | 0.03260 | 0.02312 | 0.35670 | 0.00000 | 0.00000 | 0.10189 | 0.10189 | 0.00000 | 0.02388 | 0.02388 | — | 86.0887 | 86.0887 | 0.00170 | 0.00361 | 0.09365 | 87.3014 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.76. Phase 2 Worker Trips (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.27182 | 0.24610 | 0.13437 | 3.05770 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 708.657 | 708.657 | 0.01111 | 0.00556 | 1.65622 | 712.247 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.25330 | 0.22573 | 0.18767 | 2.41954 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 641.159 | 641.159 | 0.01482 | 0.02757 | 0.04282 | 649.789 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.20192 | 0.17864 | 0.12670 | 1.95454 | 0.00000 | 0.00000 | 0.55831 | 0.55831 | 0.00000 | 0.13086 | 0.13086 | — | 519.980 | 519.980 | 0.01026 | 0.02182 | 0.56565 | 527.305 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03685 | 0.03260 | 0.02312 | 0.35670 | 0.00000 | 0.00000 | 0.10189 | 0.10189 | 0.00000 | 0.02388 | 0.02388 | — | 86.0887 | 86.0887 | 0.00170 | 0.00361 | 0.09365 | 87.3014 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.77. Phase 2 Worker Trips (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.25700 | 0.23128 | 0.13067 | 2.87209 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 696.110 | 696.110 | 0.00926 | 0.00556 | 1.45785 | 699.455 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.21832 | 0.21276 | 0.16195 | 2.26130 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 629.813 | 629.813 | 0.01296 | 0.02757 | 0.03778 | 638.392 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08324 | 0.08114 | 0.05913 | 0.87745 | 0.00000 | 0.00000 | 0.26673 | 0.26673 | 0.00000 | 0.06252 | 0.06252 | — | 244.025 | 244.025 | 0.00420 | 0.00210 | 0.23809 | 244.994 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01519 | 0.01481 | 0.01079 | 0.16013 | 0.00000 | 0.00000 | 0.04868 | 0.04868 | 0.00000 | 0.01141 | 0.01141 | — | 40.4012 | 40.4012 | 0.00070 | 0.00035 | 0.03942 | 40.5616 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.78. Phase 2 Worker Trips (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.25700 | 0.23128 | 0.13067 | 2.87209 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 696.110 | 696.110 | 0.00926 | 0.00556 | 1.45785 | 699.455 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.21832 | 0.21276 | 0.16195 | 2.26130 | 0.00000 | 0.00000 | 0.70566 | 0.70566 | 0.00000 | 0.16541 | 0.16541 | — | 629.813 | 629.813 | 0.01296 | 0.02757 | 0.03778 | 638.392 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08324 | 0.08114 | 0.05913 | 0.87745 | 0.00000 | 0.00000 | 0.26673 | 0.26673 | 0.00000 | 0.06252 | 0.06252 | — | 244.025 | 244.025 | 0.00420 | 0.00210 | 0.23809 | 244.994 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01519 | 0.01481 | 0.01079 | 0.16013 | 0.00000 | 0.00000 | 0.04868 | 0.04868 | 0.00000 | 0.01141 | 0.01141 | — | 40.4012 | 40.4012 | 0.00070 | 0.00035 | 0.03942 | 40.5616 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.79. Phase 1 CC1/2 Vendor Trips (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08783 | 0.05318 | 2.02080 | 0.67885 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,668.05 | 1,668.05 | 0.03201 | 0.25133 | 4.09675 | 1,747.84 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08519 | 0.05053 | 2.15017 | 0.70266 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,669.49 | 1,669.49 | 0.03201 | 0.25133 | 0.10655 | 1,745.30 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03494 | 0.02148 | 0.85074 | 0.27847 | 0.00486 | 0.00972 | 0.18495 | 0.19467 | 0.00972 | 0.05110 | 0.06082 | — | 673.996 | 673.996 | 0.01293 | 0.10151 | 0.71613 | 705.287 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00638 | 0.00392 | 0.15526 | 0.05082 | 0.00089 | 0.00177 | 0.03375 | 0.03553 | 0.00177 | 0.00933 | 0.01110 | — | 111.588 | 111.588 | 0.00214 | 0.01681 | 0.11856 | 116.768 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.80. Phase 1 CC1/2 Vendor Trips (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08783 | 0.05318 | 2.02080 | 0.67885 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,668.05 | 1,668.05 | 0.03201 | 0.25133 | 4.09675 | 1,747.84 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08519 | 0.05053 | 2.15017 | 0.70266 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,669.49 | 1,669.49 | 0.03201 | 0.25133 | 0.10655 | 1,745.30 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03494 | 0.02148 | 0.85074 | 0.27847 | 0.00486 | 0.00972 | 0.18495 | 0.19467 | 0.00972 | 0.05110 | 0.06082 | — | 673.996 | 673.996 | 0.01293 | 0.10151 | 0.71613 | 705.287 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00638 | 0.00392 | 0.15526 | 0.05082 | 0.00089 | 0.00177 | 0.03375 | 0.03553 | 0.00177 | 0.00933 | 0.01110 | — | 111.588 | 111.588 | 0.00214 | 0.01681 | 0.11856 | 116.768 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.81. Phase 1 CC1/2 Vendor Trips (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08783 | 0.05185 | 1.92860 | 0.65080 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,633.18 | 1,633.18 | 0.03201 | 0.25133 | 3.59757 | 1,712.48 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08519 | 0.05053 | 2.05929 | 0.67461 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,634.66 | 1,634.66 | 0.03201 | 0.25133 | 0.09312 | 1,710.45 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.02418 | 0.01412 | 0.56357 | 0.18483 | 0.00336 | 0.00673 | 0.12796 | 0.13469 | 0.00673 | 0.03535 | 0.04208 | — | 456.570 | 456.570 | 0.00895 | 0.07023 | 0.43293 | 478.156 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00441 | 0.00258 | 0.10285 | 0.03373 | 0.00061 | 0.00123 | 0.02335 | 0.02458 | 0.00123 | 0.00645 | 0.00768 | — | 75.5904 | 75.5904 | 0.00148 | 0.01163 | 0.07168 | 79.1643 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.82. Phase 1 CC1/2 Vendor Trips (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08783 | 0.05185 | 1.92860 | 0.65080 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,633.18 | 1,633.18 | 0.03201 | 0.25133 | 3.59757 | 1,712.48 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.08519 | 0.05053 | 2.05929 | 0.67461 | 0.01204 | 0.02407 | 0.45799 | 0.48207 | 0.02407 | 0.12654 | 0.15061 | — | 1,634.66 | 1,634.66 | 0.03201 | 0.25133 | 0.09312 | 1,710.45 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.02418 | 0.01412 | 0.56357 | 0.18483 | 0.00336 | 0.00673 | 0.12796 | 0.13469 | 0.00673 | 0.03535 | 0.04208 | — | 456.570 | 456.570 | 0.00895 | 0.07023 | 0.43293 | 478.156 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00441 | 0.00258 | 0.10285 | 0.03373 | 0.00061 | 0.00123 | 0.02335 | 0.02458 | 0.00123 | 0.00645 | 0.00768 | — | 75.5904 | 75.5904 | 0.00148 | 0.01163 | 0.07168 | 79.1643 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.83. Phase 1 CC3-12 Vendor Trips (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04259 | 0.02526 | 1.07508 | 0.35133 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 834.747 | 834.747 | 0.01601 | 0.12566 | 0.05328 | 872.648 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00142 | 0.00087 | 0.03462 | 0.01133 | 0.00020 | 0.00040 | 0.00753 | 0.00792 | 0.00040 | 0.00208 | 0.00248 | — | 27.4301 | 27.4301 | 0.00053 | 0.00413 | 0.02914 | 28.7035 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00026 | 0.00016 | 0.00632 | 0.00207 | 0.00004 | 0.00007 | 0.00137 | 0.00145 | 0.00007 | 0.00038 | 0.00045 | — | 4.54136 | 4.54136 | 0.00009 | 0.00068 | 0.00483 | 4.75220 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.84. Phase 1 CC3-12 Vendor Trips (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04259 | 0.02526 | 1.07508 | 0.35133 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 834.747 | 834.747 | 0.01601 | 0.12566 | 0.05328 | 872.648 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00142 | 0.00087 | 0.03462 | 0.01133 | 0.00020 | 0.00040 | 0.00753 | 0.00792 | 0.00040 | 0.00208 | 0.00248 | — | 27.4301 | 27.4301 | 0.00053 | 0.00413 | 0.02914 | 28.7035 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00026 | 0.00016 | 0.00632 | 0.00207 | 0.00004 | 0.00007 | 0.00137 | 0.00145 | 0.00007 | 0.00038 | 0.00045 | — | 4.54136 | 4.54136 | 0.00009 | 0.00068 | 0.00483 | 4.75220 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.85. Phase 1 CC3-12 Vendor Trips (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04392 | 0.02593 | 0.96430 | 0.32540 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 816.592 | 816.592 | 0.01601 | 0.12566 | 1.79878 | 856.238 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04259 | 0.02526 | 1.02965 | 0.33731 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 817.332 | 817.332 | 0.01601 | 0.12566 | 0.04656 | 855.227 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03708 | 0.02166 | 0.86430 | 0.28345 | 0.00516 | 0.01032 | 0.19624 | 0.20656 | 0.01032 | 0.05422 | 0.06454 | — | 700.202 | 700.202 | 0.01372 | 0.10771 | 0.66394 | 733.307 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00677 | 0.00395 | 0.15773 | 0.05173 | 0.00094 | 0.00188 | 0.03581 | 0.03770 | 0.00188 | 0.00989 | 0.01178 | — | 115.926 | 115.926 | 0.00227 | 0.01783 | 0.10992 | 121.407 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.86. Phase 1 CC3-12 Vendor Trips (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04392 | 0.02593 | 0.96430 | 0.32540 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 816.592 | 816.592 | 0.01601 | 0.12566 | 1.79878 | 856.238 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.04259 | 0.02526 | 1.02965 | 0.33731 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 817.332 | 817.332 | 0.01601 | 0.12566 | 0.04656 | 855.227 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03708 | 0.02166 | 0.86430 | 0.28345 | 0.00516 | 0.01032 | 0.19624 | 0.20656 | 0.01032 | 0.05422 | 0.06454 | — | 700.202 | 700.202 | 0.01372 | 0.10771 | 0.66394 | 733.307 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00677 | 0.00395 | 0.15773 | 0.05173 | 0.00094 | 0.00188 | 0.03581 | 0.03770 | 0.00188 | 0.00989 | 0.01178 | — | 115.926 | 115.926 | 0.00227 | 0.01783 | 0.10992 | 121.407 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.87. Phase 1 CC3-12 Vendor Trips (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03724 | 0.02593 | 0.92958 | 0.31138 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 796.844 | 796.844 | 0.01601 | 0.11898 | 1.56641 | 834.267 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03657 | 0.02460 | 0.98891 | 0.32262 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 797.595 | 797.595 | 0.01601 | 0.11964 | 0.04054 | 833.690 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01105 | 0.00757 | 0.29746 | 0.09742 | 0.00185 | 0.00370 | 0.07043 | 0.07413 | 0.00370 | 0.01946 | 0.02316 | — | 245.232 | 245.232 | 0.00492 | 0.03660 | 0.20758 | 256.470 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00202 | 0.00138 | 0.05429 | 0.01778 | 0.00034 | 0.00068 | 0.01285 | 0.01353 | 0.00068 | 0.00355 | 0.00423 | — | 40.6009 | 40.6009 | 0.00082 | 0.00606 | 0.03437 | 42.4616 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.88. Phase 1 CC3-12 Vendor Trips (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03724 | 0.02593 | 0.92958 | 0.31138 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 796.844 | 796.844 | 0.01601 | 0.11898 | 1.56641 | 834.267 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.03657 | 0.02460 | 0.98891 | 0.32262 | 0.00602 | 0.01204 | 0.22900 | 0.24103 | 0.01204 | 0.06327 | 0.07530 | — | 797.595 | 797.595 | 0.01601 | 0.11964 | 0.04054 | 833.690 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.01105 | 0.00757 | 0.29746 | 0.09742 | 0.00185 | 0.00370 | 0.07043 | 0.07413 | 0.00370 | 0.01946 | 0.02316 | — | 245.232 | 245.232 | 0.00492 | 0.03660 | 0.20758 | 256.470 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00202 | 0.00138 | 0.05429 | 0.01778 | 0.00034 | 0.00068 | 0.01285 | 0.01353 | 0.00068 | 0.00355 | 0.00423 | — | 40.6009 | 40.6009 | 0.00082 | 0.00606 | 0.03437 | 42.4616 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## 3.89. CC-06 Landside Foundations & Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 3.11143 | 2.60513 | 21.3825 | 22.0815 | 0.05448 | 0.85313 | — | 0.85313 | 0.78488 | — | 0.78488 | — | 5,608.15 | 5,608.15 | 0.22749 | 0.04550 | — | 5,627.40 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.10229 | 0.08565 | 0.70299 | 0.72597 | 0.00179 | 0.02805 | — | 0.02805 | 0.02580 | — | 0.02580 | — | 184.378 | 184.378 | 0.00748 | 0.00150 | — | 185.010 |
| Paving | 0.00001 | 0.00001 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01867 | 0.01563 | 0.12830 | 0.13249 | 0.00033 | 0.00512 | — | 0.00512 | 0.00471 | — | 0.00471 | — | 30.5258 | 30.5258 | 0.00124 | 0.00025 | — | 30.6306 |
| Paving | < 0.000005 | < 0.000005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.90. CC-06 Landside Foundations & Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.59409 | 1.39382 | 10.2305 | 29.7762 | 0.05448 | 0.40090 | — | 0.40090 | 0.37521 | — | 0.37521 | — | 5,608.15 | 5,608.15 | 0.22749 | 0.04550 | — | 5,627.40 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00098 | 0.00067 | 0.01725 | 0.01135 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.07323 | 3.07323 | 0.00024 | 0.00050 | 0.00008 | 3.22774 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05241 | 0.04582 | 0.33635 | 0.97894 | 0.00179 | 0.01318 | — | 0.01318 | 0.01234 | — | 0.01234 | — | 184.378 | 184.378 | 0.00748 | 0.00150 | — | 185.010 |
| Paving | 0.00001 | 0.00001 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00003 | 0.00002 | 0.00055 | 0.00037 | < 0.000005 | < 0.000005 | 0.01934 | 0.01934 | < 0.000005 | 0.00193 | 0.00193 | — | 0.10023 | 0.10023 | 0.00001 | 0.00002 | 0.00005 | 0.10514 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Roa Equipment | 0.00956 | 0.00836 | 0.06138 | 0.17866 | 0.00033 | 0.00241 | — | 0.00241 | 0.00225 | — | 0.00225 | — | 30.5258 | 30.5258 | 0.00124 | 0.00025 | — | 30.6306 |
| Paving | < 0.000005 | < 0.000005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00001 | < 0.000005 | 0.00010 | 0.00007 | < 0.000005 | < 0.000005 | 0.00353 | 0.00353 | < 0.000005 | 0.00035 | 0.00035 | — | 0.01659 | 0.01659 | < 0.000005 | < 0.000005 | 0.00001 | 0.01741 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05538 | 0.02064 | 1.87181 | 0.37990 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,553.49 | 1,553.49 | 0.02363 | 0.24586 | 0.09459 | 1,627.45 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00184 | 0.00071 | 0.06027 | 0.01237 | 0.00034 | 0.00099 | 0.01389 | 0.01489 | 0.00099 | 0.00380 | 0.00480 | — | 51.0609 | 51.0609 | 0.00078 | 0.00807 | 0.05152 | 53.5371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00034 | 0.00013 | 0.01100 | 0.00226 | 0.00006 | 0.00018 | 0.00254 | 0.00272 | 0.00018 | 0.00069 | 0.00088 | — | 8.45371 | 8.45371 | 0.00013 | 0.00134 | 0.00853 | 8.86368 |

## 3.91. CC-06 Landside Foundations & Paving (2027) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 3.04608 | 2.55043 | 20.6893 | 21.9272 | 0.05448 | 0.80676 | — | 0.80676 | 0.74222 | — | 0.74222 | — | 5,608.21 | 5,608.21 | 0.22749 | 0.04550 | — | 5,627.45 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 3.04608 | 2.55043 | 20.6893 | 21.9272 | 0.05448 | 0.80676 | — | 0.80676 | 0.74222 | — | 0.74222 | — | 5,608.21 | 5,608.21 | 0.22749 | 0.04550 | — | 5,627.45 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.48787 | 1.24577 | 10.1058 | 10.7104 | 0.02661 | 0.39407 | — | 0.39407 | 0.36254 | — | 0.36254 | — | 2,739.35 | 2,739.35 | 0.11112 | 0.02222 | — | 2,748.75 |
| Paving | 0.00020 | 0.00020 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00050 | 0.00036 | 0.00807 | 0.00543 | 0.00002 | 0.00001 | 0.28729 | 0.28731 | 0.00001 | 0.02868 | 0.02869 | — | 1.45851 | 1.45851 | 0.00012 | 0.00023 | 0.00062 | 1.53008 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.27154 | 0.22735 | 1.84430 | 1.95466 | 0.00486 | 0.07192 | — | 0.07192 | 0.06616 | — | 0.06616 | — | 453.531 | 453.531 | 0.01840 | 0.00368 | — | 455.087 |
| Paving | 0.00004 | 0.00004 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00009 | 0.00007 | 0.00147 | 0.00099 | < 0.000005 | < 0.000005 | 0.05243 | 0.05243 | < 0.000005 | 0.00523 | 0.00524 | — | 0.24147 | 0.24147 | 0.00002 | 0.00004 | 0.00010 | 0.25332 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02740 | 0.01060 | 0.86984 | 0.17893 | 0.00508 | 0.01473 | 0.20643 | 0.22117 | 0.01473 | 0.05652 | 0.07125 | — | 741.033 | 741.033 | 0.01154 | 0.11501 | 0.70922 | 776.303 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00500 | 0.00193 | 0.15875 | 0.03265 | 0.00093 | 0.00269 | 0.03767 | 0.04036 | 0.00269 | 0.01031 | 0.01300 | — | 122.686 | 122.686 | 0.00191 | 0.01904 | 0.11742 | 128.526 |

## 3.92. CC-06 Landside Foundations & Paving (2027) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.55031 | 1.35724 | 10.0151 | 29.7517 | 0.05448 | 0.37226 | — | 0.37226 | 0.34886 | — | 0.34886 | — | 5,608.21 | 5,608.21 | 0.22749 | 0.04550 | — | 5,627.45 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00107 | 0.00076 | 0.01608 | 0.01097 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 2.96821 | 2.96821 | 0.00024 | 0.00047 | 0.00295 | 3.11639 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.55031 | 1.35724 | 10.0151 | 29.7517 | 0.05448 | 0.37226 | — | 0.37226 | 0.34886 | — | 0.34886 | — | 5,608.21 | 5,608.21 | 0.22749 | 0.04550 | — | 5,627.45 |
| Paving | 0.00041 | 0.00041 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00096 | 0.00067 | 0.01709 | 0.01132 | 0.00003 | 0.00003 | 0.58882 | 0.58884 | 0.00003 | 0.05878 | 0.05881 | — | 3.01052 | 3.01052 | 0.00022 | 0.00047 | 0.00008 | 3.15527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.75726 | 0.66295 | 4.89191 | 14.5323 | 0.02661 | 0.18183 | — | 0.18183 | 0.17040 | — | 0.17040 | — | 2,739.35 | 2,739.35 | 0.11112 | 0.02222 | — | 2,748.75 |
| Paving | 0.00020 | 0.00020 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00050 | 0.00036 | 0.00807 | 0.00543 | 0.00002 | 0.00001 | 0.28729 | 0.28731 | 0.00001 | 0.02868 | 0.02869 | — | 1.45851 | 1.45851 | 0.00012 | 0.00023 | 0.00062 | 1.53008 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.13820 | 0.12099 | 0.89277 | 2.65215 | 0.00486 | 0.03318 | — | 0.03318 | 0.03110 | — | 0.03110 | — | 453.531 | 453.531 | 0.01840 | 0.00368 | — | 455.087 |
| Paving | 0.00004 | 0.00004 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00009 | 0.00007 | 0.00147 | 0.00099 | < 0.000005 | < 0.000005 | 0.05243 | 0.05243 | < 0.000005 | 0.00523 | 0.00524 | — | 0.24147 | 0.24147 | 0.00002 | 0.00004 | 0.00010 | 0.25332 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05679 | 0.02205 | 1.70444 | 0.36385 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,516.81 | 1,516.81 | 0.02363 | 0.23545 | 3.36396 | 1,590.93 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.05503 | 0.02064 | 1.81978 | 0.36949 | 0.01041 | 0.03016 | 0.42271 | 0.45287 | 0.03016 | 0.11573 | 0.14589 | — | 1,517.49 | 1,517.49 | 0.02328 | 0.23545 | 0.08712 | 1,588.33 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.02740 | 0.01060 | 0.86984 | 0.17893 | 0.00508 | 0.01473 | 0.20643 | 0.22117 | 0.01473 | 0.05652 | 0.07125 | — | 741.033 | 741.033 | 0.01154 | 0.11501 | 0.70922 | 776.303 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Vendor | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling | 0.00500 | 0.00193 | 0.15875 | 0.03265 | 0.00093 | 0.00269 | 0.03767 | 0.04036 | 0.00269 | 0.01031 | 0.01300 | — | 122.686 | 122.686 | 0.00191 | 0.01904 | 0.11742 | 128.526 |

# 4. Operations Emissions Details

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetati | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| CC-01 Demolition | Demolition | 7/13/2026 | 2/25/2027 | 6.00000 | 196.000 | CC-01 Demolition |
| P.II CC-01 Demo: Bunker #6 | Demolition | 1/29/2030 | 5/6/2030 | 6.00000 | 84.0000 | P.II CC-01 Demo: Bunker #6 |
| CC-02 Preconstruction & Site Preparation | Site Preparation | 12/18/2026 | 4/29/2027 | 6.00000 | 114.000 | CC-02 Preconstruction & Site Preparation |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Building Construction | 6/24/2027 | 12/1/2027 | 6.00000 | 138.000 | CC-03 BERTH 3/4 Marine Piling & Dock Upgrade |
| CC-05 Landside Piling / Ground Improvements | Building Construction | 12/18/2026 | 6/22/2027 | 6.00000 | 160.000 | CC-05 Landside Piling / Ground Improvements |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Building Construction | 9/10/2027 | 4/25/2028 | 6.00000 | 196.000 | CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls |
| CC-11 Dome Construction | Building Construction | 7/13/2027 | 5/10/2028 | 6.00000 | 260.000 | CC-11 Dome Construction |
| Startup & Checkout | Building Construction | 10/8/2027 | 5/5/2028 | 6.00000 | 181.000 | Startup & Checkout |
| CC-12 Rail Track Installation (Supply & Installation) | Building Construction | 12/18/2026 | 4/8/2027 | 6.00000 | 96.0000 | CC-12 Rail Track Installation (Supply & Installation) |
| CC-10 Unattended Truck Self-Loading Kiosk | Building Construction | 7/16/2027 | 9/2/2027 | 6.00000 | 42.0000 | CC-10 Unattended Truck Self-Loading Kiosk |

| | | | | | | |
|---|---|---|---|---|---|---|
| CC-07 Structural Mechanical Installation | Building Construction | 7/30/2027 | 1/28/2028 | 6.00000 | 157.000 | CC-07 Structural Mechanical Installation |
| Ship Unloader Installation | Building Construction | 11/3/2027 | 11/30/2027 | 6.00000 | 24.0000 | Ship Unloader installation |
| Dry Commissioning | Building Construction | 5/5/2028 | 5/19/2028 | 6.00000 | 13.0000 | Dry Commissioning |
| Wet Commissioning | Building Construction | 5/19/2028 | 6/2/2028 | 6.00000 | 13.0000 | Wet Commissioning |
| Float | Building Construction | 6/2/2028 | 8/25/2028 | 6.00000 | 73.0000 | Phase 1 Float |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Building Construction | 4/30/2030 | 9/5/2030 | 6.00000 | 111.000 | P.II CC-05 Landside Piling or ADP & CC-06 Foundation |
| P.II CC-07 Structural & Mechanical Installation | Building Construction | 6/24/2030 | 9/30/2030 | 6.00000 | 85.0000 | P.II CC-07 Structural & Mechanical Installation |
| P.II CC-08 Electrical and Instrumentation Installation | Building Construction | 9/24/2030 | 1/2/2031 | 6.00000 | 87.0000 | P.II CC-08 Electrical and Instrumentation Installation |
| P.II CC-11 Dome #6 Construction | Building Construction | 8/1/2030 | 5/2/2031 | 6.00000 | 236.000 | P.II CC-11 Dome #6 Construction (Design, Build and Erection) |
| P.II Checkout | Building Construction | 12/27/2030 | 4/29/2031 | 6.00000 | 106.000 | P.II Checkout |
| P.II Dry Commissioning | Building Construction | 4/29/2031 | 5/6/2031 | 6.00000 | 7.00000 | P.II Dry Commissioning |
| P.II Wet Commissioning | Building Construction | 5/6/2031 | 5/13/2031 | 6.00000 | 7.00000 | P.II Wet Commissioning |
| P.II Float | Building Construction | 5/13/2031 | 6/10/2031 | 6.00000 | 25.0000 | P.II Float |
| Phase 1 Worker Trips | Building Construction | 7/13/2026 | 8/25/2028 | 6.00000 | 665.000 | Phase 1 Worker Trips |
| Phase 2 Worker Trips | Building Construction | 01/29/2030 | 6/10/2031 | 6.00000 | 427.000 | Phase 2 Worker Trips |
| Phase 1 CC1/2 Vendor Trips | Building Construction | 07/13/2026 | 4/29/2027 | 6.00000 | 250.000 | Phase 1 CC1/2 Vendor Trips |
| Phase 1 CC3-12 Vendor Trips | Building Construction | 12/18/2026 | 5/10/2028 | 6.00000 | 437.000 | Phase 1 CC3-12 Vendor Trips |
| CC-06 Landside Foundations & Paving | Paving | 12/18/2026 | 7/27/2027 | 6.00000 | 190.000 | CC-06 Landside Foundations & Paving |

## 5.2. Off-Road Equipment

## 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| CC-01 Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| CC-01 Demolition | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| CC-01 Demolition | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| CC-01 Demolition | Cranes | Diesel | Average | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-01 Demolition | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| CC-01 Demolition | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| CC-01 Demolition | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| CC-01 Demolition | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-01 Demolition | Excavators | Diesel | Average | 3.00000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-01 Demo: Bunker #6 | Excavators | Diesel | Average | 2.00000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-01 Demo: Bunker #6 | Cranes | Diesel | Average | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| P.II CC-01 Demo: Bunker #6 | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II CC-01 Demo: Bunker #6 | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-01 Demo: Bunker #6 | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-01 Demo: Bunker #6 | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-01 Demo: Bunker #6 | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-01 Demo: Bunker #6 | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| P.II CC-01 Demo: Bunker #6 | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CC-02 Preconstruction & Site Preparation | Rubber Tired Dozers | Diesel | Average | 2.00000 | 6.00000 | 367.000 | 0.40000 |
| CC-02 Preconstruction & Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| CC-02 Preconstruction & Site Preparation | Graders | Diesel | Average | 1.000000 | 6.00000 | 148.000 | 0.41000 |
| CC-02 Preconstruction & Site Preparation | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |
| CC-02 Preconstruction & Site Preparation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-02 Preconstruction & Site Preparation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-02 Preconstruction & Site Preparation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-02 Preconstruction & Site Preparation | Cranes | Diesel | Average | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-02 Preconstruction & Site Preparation | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| CC-02 Preconstruction & Site Preparation | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| CC-02 Preconstruction & Site Preparation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-02 Preconstruction & Site Preparation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Cranes | Diesel | Average | 1.000000 | 6.00000 | 511.000 | 0.29000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-05 Landside Piling / Ground Improvements | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-05 Landside Piling / Ground Improvements | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-05 Landside Piling / Ground Improvements | Cranes | Diesel | Average | 3.00000 | 6.00000 | 325.000 | 0.29000 |
| CC-05 Landside Piling / Ground Improvements | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-05 Landside Piling / Ground Improvements | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |

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|---|---|---|---|---|---|---|---|
| CC-05 Landside Piling / Ground Improvements | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-05 Landside Piling / Ground Improvements | Other Material Handling Equipment | Diesel | Average | 3.00000 | 6.00000 | 425.000 | 0.40000 |
| CC-05 Landside Piling / Ground Improvements | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Generator Sets | Diesel | Average | 3.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Aerial Lifts | Diesel | Average | 3.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Air Compressors | Diesel | Average | 3.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |

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|---|---|---|---|---|---|---|---|
| CC-11 Dome Construction | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-11 Dome Construction | Generator Sets | Diesel | Average | 1.000000 | 7.50000 | 14.0000 | 0.74000 |
| CC-11 Dome Construction | Cranes | Diesel | Average | 1.000000 | 5.00000 | 300.000 | 0.29000 |
| CC-11 Dome Construction | Welders | Diesel | Average | 2.00000 | 2.50000 | 46.0000 | 0.45000 |
| CC-11 Dome Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| CC-11 Dome Construction | Rollers | Diesel | Average | 1.000000 | 2.50000 | 36.0000 | 0.38000 |
| CC-11 Dome Construction | Aerial Lifts | Diesel | Average | 3.00000 | 5.00000 | 46.0000 | 0.31000 |
| CC-11 Dome Construction | Other Construction Equipment | Diesel | Average | 4.00000 | 2.50000 | 82.0000 | 0.42000 |
| CC-11 Dome Construction | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| CC-11 Dome Construction | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| CC-11 Dome Construction | Other Material Handling Equipment | Diesel | Average | 2.00000 | 7.50000 | 425.000 | 0.40000 |
| Startup & Checkout | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Startup & Checkout | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Startup & Checkout | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Startup & Checkout | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Startup & Checkout | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-12 Rail Track Installation (Supply & Installation) | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-12 Rail Track Installation (Supply & Installation) | Generator Sets | Diesel | Average | 2.00000 | 7.50000 | 14.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| CC-12 Rail Track Installation (Supply & Installation) | Welders | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.45000 |
| CC-12 Rail Track Installation (Supply & Installation) | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| CC-12 Rail Track Installation (Supply & Installation) | Rubber Tired Dozers | Diesel | Average | 1.000000 | 7.50000 | 367.000 | 0.40000 |
| CC-12 Rail Track Installation (Supply & Installation) | Air Compressors | Diesel | Average | 2.00000 | 2.50000 | 37.0000 | 0.48000 |
| CC-12 Rail Track Installation (Supply & Installation) | Rollers | Diesel | Average | 2.00000 | 2.50000 | 36.0000 | 0.38000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Diesel | Average | 1.000000 | 5.00000 | 500.000 | 0.42000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Diesel | Average | 2.00000 | 2.50000 | 82.0000 | 0.42000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Generator Sets | Diesel | Average | 1.000000 | 5.00000 | 14.0000 | 0.74000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Cranes | Diesel | Average | 1.000000 | 1.000000 | 300.000 | 0.29000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Welders | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.45000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Aerial Lifts | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.31000 |

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|---|---|---|---|---|---|---|---|
| CC-10 Unattended Truck Self-Loading Kiosk | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Other Construction Equipment | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.42000 |
| CC-07 Structural Mechanical Installation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-07 Structural Mechanical Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-07 Structural Mechanical Installation | Cranes | Diesel | Average | 2.00000 | 4.00000 | 300.000 | 0.29000 |
| CC-07 Structural Mechanical Installation | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-07 Structural Mechanical Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-07 Structural Mechanical Installation | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| CC-07 Structural Mechanical Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-07 Structural Mechanical Installation | Cranes | Diesel | Average | 1.000000 | 2.00000 | 340.000 | 0.29000 |
| CC-07 Structural Mechanical Installation | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| Ship Unloader Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Ship Unloader Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| Ship Unloader Installation | Cranes | Diesel | Average | 1.000000 | 4.00000 | 340.000 | 0.29000 |
| Ship Unloader Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Ship Unloader Installation | Cranes | Diesel | Average | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| Ship Unloader Installation | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| Ship Unloader Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Ship Unloader Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Dry Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Dry Commissioning | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Dry Commissioning | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Dry Commissioning | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Dry Commissioning | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Wet Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Wet Commissioning | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Wet Commissioning | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Wet Commissioning | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Wet Commissioning | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Float | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| Float | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Float | Cranes | Diesel | Average | 1.000000 | 4.00000 | 340.000 | 0.29000 |
| Float | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| Float | Cranes | Diesel | Average | 2.00000 | 4.00000 | 300.000 | 0.29000 |
| Float | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Float | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| Float | Air Compressors | Diesel | Average | 3.00000 | 2.00000 | 37.0000 | 0.48000 |

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|---|---|---|---|---|---|---|---|
| Float | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Cranes | Diesel | Average | 2.00000 | 6.00000 | 325.000 | 0.29000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 2.00000 | 84.0000 | 0.37000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Material Handling Equipment | Diesel | Average | 2.00000 | 6.00000 | 425.000 | 0.40000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Trenchers | Diesel | Average | 1.000000 | 2.00000 | 40.0000 | 0.50000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Rollers | Diesel | Average | 1.000000 | 2.00000 | 36.0000 | 0.38000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |

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|---|---|---|---|---|---|---|---|
| P.II CC-07 Structural & Mechanical Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-07 Structural & Mechanical Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-07 Structural & Mechanical Installation | Cranes | Diesel | Average | 1.000000 | 6.00000 | 300.000 | 0.29000 |
| P.II CC-07 Structural & Mechanical Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-07 Structural & Mechanical Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| P.II CC-07 Structural & Mechanical Installation | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-07 Structural & Mechanical Installation | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-07 Structural & Mechanical Installation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-08 Electrical and Instrumentation Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-08 Electrical and Instrumentation Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-08 Electrical and Instrumentation Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-08 Electrical and Instrumentation Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |

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|---|---|---|---|---|---|---|---|
| P.II CC-08 Electrical and Instrumentation Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-08 Electrical and Instrumentation Installation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-11 Dome #6 Construction | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| P.II CC-11 Dome #6 Construction | Generator Sets | Diesel | Average | 1.000000 | 7.50000 | 14.0000 | 0.74000 |
| P.II CC-11 Dome #6 Construction | Cranes | Diesel | Average | 1.000000 | 2.50000 | 300.000 | 0.29000 |
| P.II CC-11 Dome #6 Construction | Welders | Diesel | Average | 2.00000 | 2.50000 | 46.0000 | 0.45000 |
| P.II CC-11 Dome #6 Construction | Tractors/Loaders/Back hoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| P.II CC-11 Dome #6 Construction | Aerial Lifts | Diesel | Average | 3.00000 | 5.00000 | 46.0000 | 0.31000 |
| P.II CC-11 Dome #6 Construction | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-11 Dome #6 Construction | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| P.II CC-11 Dome #6 Construction | Other Construction Equipment | Diesel | Average | 4.00000 | 2.50000 | 82.0000 | 0.42000 |
| P.II CC-11 Dome #6 Construction | Rollers | Diesel | Average | 1.000000 | 2.50000 | 36.0000 | 0.38000 |
| P.II CC-11 Dome #6 Construction | Other Material Handling Equipment | Diesel | Average | 2.00000 | 7.50000 | 425.000 | 0.40000 |
| P.II Checkout | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Checkout | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Checkout | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Checkout | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Checkout | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |

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|---|---|---|---|---|---|---|---|
| P.II Dry Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Dry Commissioning | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Dry Commissioning | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Dry Commissioning | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Dry Commissioning | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Wet Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Wet Commissioning | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Wet Commissioning | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Wet Commissioning | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Wet Commissioning | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Float | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Float | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Float | Cranes | Diesel | Average | 1.000000 | 2.00000 | 300.000 | 0.29000 |
| P.II Float | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Float | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Float | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Float | Other Construction Equipment | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.42000 |
| P.II Float | Cranes | Diesel | Average | 1.000000 | 2.00000 | 340.000 | 0.29000 |
| CC-06 Landside Foundations & Paving | Pavers | Diesel | Average | 1.000000 | 2.00000 | 81.0000 | 0.42000 |
| CC-06 Landside Foundations & Paving | Rollers | Diesel | Average | 2.00000 | 2.00000 | 36.0000 | 0.38000 |

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|---|---|---|---|---|---|---|---|
| CC-06 Landside Foundations & Paving | Cranes | Diesel | Average | 2.00000 | 4.00000 | 300.000 | 0.29000 |
| CC-06 Landside Foundations & Paving | Rubber Tired Dozers | Diesel | Average | 1.000000 | 6.00000 | 367.000 | 0.40000 |
| CC-06 Landside Foundations & Paving | Excavators | Diesel | Average | 2.00000 | 4.00000 | 36.0000 | 0.38000 |
| CC-06 Landside Foundations & Paving | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| CC-06 Landside Foundations & Paving | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-06 Landside Foundations & Paving | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-06 Landside Foundations & Paving | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-06 Landside Foundations & Paving | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-06 Landside Foundations & Paving | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-06 Landside Foundations & Paving | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 6.00000 | 84.0000 | 0.37000 |
| CC-06 Landside Foundations & Paving | Other Material Handling Equipment | Diesel | Average | 2.00000 | 6.00000 | 425.000 | 0.40000 |
| CC-06 Landside Foundations & Paving | Trenchers | Diesel | Average | 1.000000 | 2.00000 | 40.0000 | 0.50000 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| CC-01 Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| CC-01 Demolition | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| CC-01 Demolition | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| CC-01 Demolition | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-01 Demolition | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |

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|---|---|---|---|---|---|---|---|
| CC-01 Demolition | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| CC-01 Demolition | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| CC-01 Demolition | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-01 Demolition | Excavators | Diesel | Average | 3.00000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-01 Demo: Bunker #6 | Excavators | Diesel | Average | 2.00000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-01 Demo: Bunker #6 | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| P.II CC-01 Demo: Bunker #6 | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II CC-01 Demo: Bunker #6 | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-01 Demo: Bunker #6 | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-01 Demo: Bunker #6 | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-01 Demo: Bunker #6 | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-01 Demo: Bunker #6 | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| P.II CC-01 Demo: Bunker #6 | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-02 Preconstruction & Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Final | 2.00000 | 6.00000 | 367.000 | 0.40000 |
| CC-02 Preconstruction & Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 2.00000 | 6.00000 | 84.0000 | 0.37000 |
| CC-02 Preconstruction & Site Preparation | Graders | Diesel | Average | 1.000000 | 6.00000 | 148.000 | 0.41000 |
| CC-02 Preconstruction & Site Preparation | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |

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|---|---|---|---|---|---|---|---|
| CC-02 Preconstruction & Site Preparation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-02 Preconstruction & Site Preparation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-02 Preconstruction & Site Preparation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-02 Preconstruction & Site Preparation | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-02 Preconstruction & Site Preparation | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| CC-02 Preconstruction & Site Preparation | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| CC-02 Preconstruction & Site Preparation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-02 Preconstruction & Site Preparation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Cranes | Diesel | Tier 4 Final | 1.000000 | 6.00000 | 511.000 | 0.29000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |

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|---|---|---|---|---|---|---|---|
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-05 Landside Piling / Ground Improvements | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-05 Landside Piling / Ground Improvements | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-05 Landside Piling / Ground Improvements | Cranes | Diesel | Tier 4 Final | 3.00000 | 6.00000 | 325.000 | 0.29000 |
| CC-05 Landside Piling / Ground Improvements | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-05 Landside Piling / Ground Improvements | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |
| CC-05 Landside Piling / Ground Improvements | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-05 Landside Piling / Ground Improvements | Other Material Handling Equipment | Diesel | Tier 4 Final | 3.00000 | 6.00000 | 425.000 | 0.40000 |
| CC-05 Landside Piling / Ground Improvements | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |

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|---|---|---|---|---|---|---|---|
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Generator Sets | Diesel | Average | 3.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Aerial Lifts | Diesel | Average | 3.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Air Compressors | Diesel | Average | 3.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-11 Dome Construction | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-11 Dome Construction | Generator Sets | Diesel | Average | 1.000000 | 7.50000 | 14.0000 | 0.74000 |
| CC-11 Dome Construction | Cranes | Diesel | Tier 4 Final | 1.000000 | 5.00000 | 300.000 | 0.29000 |
| CC-11 Dome Construction | Welders | Diesel | Average | 2.00000 | 2.50000 | 46.0000 | 0.45000 |
| CC-11 Dome Construction | Tractors/Loaders/Back hoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| CC-11 Dome Construction | Rollers | Diesel | Average | 1.000000 | 2.50000 | 36.0000 | 0.38000 |

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|---|---|---|---|---|---|---|---|
| CC-11 Dome Construction | Aerial Lifts | Diesel | Average | 3.00000 | 5.00000 | 46.0000 | 0.31000 |
| CC-11 Dome Construction | Other Construction Equipment | Diesel | Tier 4 Final | 4.00000 | 2.50000 | 82.0000 | 0.42000 |
| CC-11 Dome Construction | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| CC-11 Dome Construction | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| CC-11 Dome Construction | Other Material Handling Equipment | Diesel | Average | 2.00000 | 7.50000 | 425.000 | 0.40000 |
| Startup & Checkout | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Startup & Checkout | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Startup & Checkout | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Startup & Checkout | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Startup & Checkout | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-12 Rail Track Installation (Supply & Installation) | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-12 Rail Track Installation (Supply & Installation) | Generator Sets | Diesel | Average | 2.00000 | 7.50000 | 14.0000 | 0.74000 |
| CC-12 Rail Track Installation (Supply & Installation) | Welders | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.45000 |
| CC-12 Rail Track Installation (Supply & Installation) | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| CC-12 Rail Track Installation (Supply & Installation) | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.000000 | 7.50000 | 367.000 | 0.40000 |
| CC-12 Rail Track Installation (Supply & Installation) | Air Compressors | Diesel | Average | 2.00000 | 2.50000 | 37.0000 | 0.48000 |

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|---|---|---|---|---|---|---|---|
| CC-12 Rail Track Installation (Supply & Installation) | Rollers | Diesel | Average | 2.00000 | 2.50000 | 36.0000 | 0.38000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Diesel | Tier 4 Final | 2.00000 | 5.00000 | 500.000 | 0.42000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Diesel | Tier 4 Final | 2.00000 | 2.50000 | 82.0000 | 0.42000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Generator Sets | Diesel | Average | 1.000000 | 5.00000 | 14.0000 | 0.74000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Cranes | Diesel | Tier 4 Final | 1.000000 | 1.000000 | 300.000 | 0.29000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Welders | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.45000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Aerial Lifts | Diesel | Average | 1.000000 | 2.50000 | 46.0000 | 0.31000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Other Construction Equipment | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.42000 |
| CC-07 Structural Mechanical Installation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-07 Structural Mechanical Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| CC-07 Structural Mechanical Installation | Cranes | Diesel | Average | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-07 Structural Mechanical Installation | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| CC-07 Structural Mechanical Installation | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-07 Structural Mechanical Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| CC-07 Structural Mechanical Installation | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| CC-07 Structural Mechanical Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-07 Structural Mechanical Installation | Cranes | Diesel | Tier 4 Final | 1.000000 | 2.00000 | 340.000 | 0.29000 |
| CC-07 Structural Mechanical Installation | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| Ship Unloader Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Ship Unloader Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Ship Unloader Installation | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 340.000 | 0.29000 |
| Ship Unloader Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Ship Unloader Installation | Cranes | Diesel | Tier 4 Final | 1.000000 | 4.00000 | 300.000 | 0.29000 |
| Ship Unloader Installation | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |

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|---|---|---|---|---|---|---|---|
| Ship Unloader Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Ship Unloader Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Dry Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Dry Commissioning | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Dry Commissioning | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Dry Commissioning | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Dry Commissioning | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Wet Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| Wet Commissioning | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Wet Commissioning | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| Wet Commissioning | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| Wet Commissioning | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Float | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| Float | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| Float | Cranes | Diesel | Tier 4 Final | 2.00000 | 4.00000 | 340.000 | 0.29000 |
| Float | Welders | Diesel | Average | 3.00000 | 2.00000 | 46.0000 | 0.45000 |
| Float | Cranes | Diesel | Tier 4 Final | 2.00000 | 4.00000 | 300.000 | 0.29000 |
| Float | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| Float | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| Float | Air Compressors | Diesel | Average | 3.00000 | 2.00000 | 37.0000 | 0.48000 |
| Float | Other Construction Equipment | Diesel | Average | 3.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Cranes | Diesel | Tier 4 Final | 2.00000 | 6.00000 | 325.000 | 0.29000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 2.00000 | 84.0000 | 0.37000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Excavators | Diesel | Average | 1.000000 | 4.00000 | 36.0000 | 0.38000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Material Handling Equipment | Diesel | Tier 4 Final | 2.00000 | 6.00000 | 425.000 | 0.40000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Trenchers | Diesel | Average | 1.000000 | 2.00000 | 40.0000 | 0.50000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Rollers | Diesel | Average | 1.000000 | 2.00000 | 36.0000 | 0.38000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-07 Structural & Mechanical Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-07 Structural & Mechanical Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| P.II CC-07 Structural & Mechanical Installation | Cranes | Diesel | Tier 4 Final | 1.000000 | 6.00000 | 300.000 | 0.29000 |
| P.II CC-07 Structural & Mechanical Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-07 Structural & Mechanical Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| P.II CC-07 Structural & Mechanical Installation | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-07 Structural & Mechanical Installation | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-07 Structural & Mechanical Installation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-08 Electrical and Instrumentation Installation | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II CC-08 Electrical and Instrumentation Installation | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| P.II CC-08 Electrical and Instrumentation Installation | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| P.II CC-08 Electrical and Instrumentation Installation | Aerial Lifts | Diesel | Average | 2.00000 | 4.00000 | 46.0000 | 0.31000 |
| P.II CC-08 Electrical and Instrumentation Installation | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| P.II CC-08 Electrical and Instrumentation Installation | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| P.II CC-11 Dome #6 Construction | Forklifts | Diesel | Average | 1.000000 | 2.50000 | 82.0000 | 0.20000 |

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|---|---|---|---|---|---|---|---|
| P.II CC-11 Dome #6 Construction | Generator Sets | Diesel | Average | 1.000000 | 7.50000 | 14.0000 | 0.74000 |
| P.II CC-11 Dome #6 Construction | Cranes | Diesel | Tier 4 Final | 1.000000 | 2.50000 | 300.000 | 0.29000 |
| P.II CC-11 Dome #6 Construction | Welders | Diesel | Average | 2.00000 | 2.50000 | 46.0000 | 0.45000 |
| P.II CC-11 Dome #6 Construction | Tractors/Loaders/Back hoes | Diesel | Average | 1.000000 | 7.50000 | 84.0000 | 0.37000 |
| P.II CC-11 Dome #6 Construction | Aerial Lifts | Diesel | Average | 3.00000 | 5.00000 | 46.0000 | 0.31000 |
| P.II CC-11 Dome #6 Construction | Pumps | Diesel | Average | 1.000000 | 12.0000 | 11.0000 | 0.74000 |
| P.II CC-11 Dome #6 Construction | Air Compressors | Diesel | Average | 1.000000 | 2.50000 | 37.0000 | 0.48000 |
| P.II CC-11 Dome #6 Construction | Other Construction Equipment | Diesel | Average | 4.00000 | 2.50000 | 82.0000 | 0.42000 |
| P.II CC-11 Dome #6 Construction | Rollers | Diesel | Average | 1.000000 | 2.50000 | 36.0000 | 0.38000 |
| P.II CC-11 Dome #6 Construction | Other Material Handling Equipment | Diesel | Tier 4 Final | 2.00000 | 7.50000 | 425.000 | 0.40000 |
| P.II Checkout | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Checkout | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Checkout | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Checkout | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Checkout | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Dry Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Dry Commissioning | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Dry Commissioning | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Dry Commissioning | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |

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|---|---|---|---|---|---|---|---|
| P.II Dry Commissioning | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Wet Commissioning | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Wet Commissioning | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Wet Commissioning | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Wet Commissioning | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Wet Commissioning | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Float | Forklifts | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.20000 |
| P.II Float | Generator Sets | Diesel | Average | 1.000000 | 6.00000 | 14.0000 | 0.74000 |
| P.II Float | Cranes | Diesel | Tier 4 Final | 1.000000 | 2.00000 | 300.000 | 0.29000 |
| P.II Float | Welders | Diesel | Average | 1.000000 | 2.00000 | 46.0000 | 0.45000 |
| P.II Float | Air Compressors | Diesel | Average | 1.000000 | 2.00000 | 37.0000 | 0.48000 |
| P.II Float | Aerial Lifts | Diesel | Average | 1.000000 | 4.00000 | 46.0000 | 0.31000 |
| P.II Float | Other Construction Equipment | Diesel | Average | 1.000000 | 2.00000 | 82.0000 | 0.42000 |
| P.II Float | Cranes | Diesel | Tier 4 Final | 1.000000 | 2.00000 | 340.000 | 0.29000 |
| CC-06 Landside Foundations & Paving | Pavers | Diesel | Average | 1.000000 | 2.00000 | 81.0000 | 0.42000 |
| CC-06 Landside Foundations & Paving | Rollers | Diesel | Average | 2.00000 | 2.00000 | 36.0000 | 0.38000 |
| CC-06 Landside Foundations & Paving | Cranes | Diesel | Tier 4 Final | 2.00000 | 4.00000 | 300.000 | 0.29000 |
| CC-06 Landside Foundations & Paving | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.000000 | 6.00000 | 367.000 | 0.40000 |
| CC-06 Landside Foundations & Paving | Excavators | Diesel | Average | 2.00000 | 4.00000 | 36.0000 | 0.38000 |
| CC-06 Landside Foundations & Paving | Pumps | Diesel | Average | 2.00000 | 12.0000 | 11.0000 | 0.74000 |

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|---|---|---|---|---|---|---|---|
| CC-06 Landside Foundations & Paving | Generator Sets | Diesel | Average | 2.00000 | 6.00000 | 14.0000 | 0.74000 |
| CC-06 Landside Foundations & Paving | Air Compressors | Diesel | Average | 2.00000 | 2.00000 | 37.0000 | 0.48000 |
| CC-06 Landside Foundations & Paving | Forklifts | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.20000 |
| CC-06 Landside Foundations & Paving | Welders | Diesel | Average | 2.00000 | 2.00000 | 46.0000 | 0.45000 |
| CC-06 Landside Foundations & Paving | Other Construction Equipment | Diesel | Average | 2.00000 | 2.00000 | 82.0000 | 0.42000 |
| CC-06 Landside Foundations & Paving | Tractors/Loaders/Backhoes | Diesel | Average | 1.000000 | 6.00000 | 84.0000 | 0.37000 |
| CC-06 Landside Foundations & Paving | Other Material Handling Equipment | Diesel | Tier 4 Final | 2.00000 | 6.00000 | 425.000 | 0.40000 |
| CC-06 Landside Foundations & Paving | Trenchers | Diesel | Average | 1.000000 | 2.00000 | 40.0000 | 0.50000 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| CC-01 Demolition | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-01 Demolition | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-01 Demolition | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-01 Demolition | Onsite truck | 2.00000 | 0.40000 | HHDT |
| P.II CC-01 Demo: Bunker #6 | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-01 Demo: Bunker #6 | Vendor | 8.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-01 Demo: Bunker #6 | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-01 Demo: Bunker #6 | Onsite truck | 0.00000 | 0.00000 | HHDT |
| CC-02 Preconstruction & Site Preparation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

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|---|---|---|---|---|
| CC-02 Preconstruction & Site Preparation | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-02 Preconstruction & Site Preparation | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-02 Preconstruction & Site Preparation | Onsite truck | 2.00000 | 0.40000 | HHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Hauling | 8.00000 | 28.5000 | HHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Onsite truck | 0.00000 | 0.00000 | HHDT |
| CC-05 Landside Piling / Ground Improvements | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-05 Landside Piling / Ground Improvements | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-05 Landside Piling / Ground Improvements | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-05 Landside Piling / Ground Improvements | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Hauling | 8.00000 | 28.5000 | HHDT |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-11 Dome Construction | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| CC-11 Dome Construction | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-11 Dome Construction | Hauling | 12.0000 | 28.5000 | HHDT |
| CC-11 Dome Construction | Onsite truck | 0.00000 | 0.40000 | HHDT |
| Startup & Checkout | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Startup & Checkout | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Startup & Checkout | Hauling | 4.00000 | 28.5000 | HHDT |
| Startup & Checkout | Onsite truck | — | — | HHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-12 Rail Track Installation (Supply & Installation) | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-10 Unattended Truck Self-Loading Kiosk | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Hauling | 4.00000 | 28.5000 | HHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Onsite truck | — | — | HHDT |
| CC-07 Structural Mechanical Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-07 Structural Mechanical Installation | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-07 Structural Mechanical Installation | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-07 Structural Mechanical Installation | Onsite truck | 0.00000 | 0.00000 | HHDT |
| Ship Unloader Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Ship Unloader Installation | Vendor | 1.67000 | 72.3000 | HHDT,MHDT |

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|---|---|---|---|---|
| Ship Unloader Installation | Hauling | 8.00000 | 28.5000 | HHDT |
| Ship Unloader Installation | Onsite truck | — | — | HHDT |
| Dry Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Dry Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Dry Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| Dry Commissioning | Onsite truck | — | — | HHDT |
| Wet Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Wet Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Wet Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| Wet Commissioning | Onsite truck | — | — | HHDT |
| Float | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Float | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Float | Hauling | 16.0000 | 28.5000 | HHDT |
| Float | Onsite truck | — | — | HHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Vendor | 10.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Onsite truck | 1.000000 | 0.40000 | HHDT |
| P.II CC-07 Structural & Mechanical Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-07 Structural & Mechanical Installation | Vendor | 6.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-07 Structural & Mechanical Installation | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-07 Structural & Mechanical Installation | Onsite truck | — | — | HHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| P.II CC-08 Electrical and Instrumentation Installation | Vendor | 4.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Hauling | 8.00000 | 28.5000 | HHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Onsite truck | — | — | HHDT |
| P.II CC-11 Dome #6 Construction | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-11 Dome #6 Construction | Vendor | 12.0000 | 9.10000 | HHDT,MHDT |
| P.II CC-11 Dome #6 Construction | Hauling | 12.0000 | 28.5000 | HHDT |
| P.II CC-11 Dome #6 Construction | Onsite truck | 0.00000 | 0.00000 | HHDT |
| P.II Checkout | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Checkout | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Checkout | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Checkout | Onsite truck | — | — | HHDT |
| P.II Dry Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Dry Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Dry Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Dry Commissioning | Onsite truck | — | — | HHDT |
| P.II Wet Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Wet Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Wet Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Wet Commissioning | Onsite truck | — | — | HHDT |
| P.II Float | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Float | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Float | Hauling | 8.00000 | 28.5000 | HHDT |
| P.II Float | Onsite truck | — | — | HHDT |
| Phase 1 Worker Trips | Worker | 200.000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 Worker Trips | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Phase 1 Worker Trips | Hauling | 0.00000 | 0.00000 | HHDT |

| | | | | |
|---|---|---|---|---|
| Phase 1 Worker Trips | Onsite truck | — | — | HHDT |
| Phase 2 Worker Trips | Worker | 84.0000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 2 Worker Trips | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Phase 2 Worker Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 2 Worker Trips | Onsite truck | — | — | HHDT |
| Phase 1 CC1/2 Vendor Trips | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 CC1/2 Vendor Trips | Vendor | 60.0000 | 9.10000 | HHDT,MHDT |
| Phase 1 CC1/2 Vendor Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 1 CC1/2 Vendor Trips | Onsite truck | — | — | HHDT |
| Phase 1 CC3-12 Vendor Trips | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 CC3-12 Vendor Trips | Vendor | 30.0000 | 9.10000 | HHDT,MHDT |
| Phase 1 CC3-12 Vendor Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 1 CC3-12 Vendor Trips | Onsite truck | — | — | HHDT |
| CC-06 Landside Foundations & Paving | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-06 Landside Foundations & Paving | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-06 Landside Foundations & Paving | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-06 Landside Foundations & Paving | Onsite truck | 1.000000 | 0.40000 | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| CC-01 Demolition | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-01 Demolition | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-01 Demolition | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-01 Demolition | Onsite truck | 2.00000 | 0.40000 | HHDT |
| P.II CC-01 Demo: Bunker #6 | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| P.II CC-01 Demo: Bunker #6 | Vendor | 8.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-01 Demo: Bunker #6 | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-01 Demo: Bunker #6 | Onsite truck | 0.00000 | 0.00000 | HHDT |
| CC-02 Preconstruction & Site Preparation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-02 Preconstruction & Site Preparation | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-02 Preconstruction & Site Preparation | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-02 Preconstruction & Site Preparation | Onsite truck | 2.00000 | 0.40000 | HHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Hauling | 8.00000 | 28.5000 | HHDT |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Onsite truck | 0.00000 | 0.00000 | HHDT |
| CC-05 Landside Piling / Ground Improvements | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-05 Landside Piling / Ground Improvements | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-05 Landside Piling / Ground Improvements | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-05 Landside Piling / Ground Improvements | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Hauling | 8.00000 | 28.5000 | HHDT |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-11 Dome Construction | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-11 Dome Construction | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-11 Dome Construction | Hauling | 12.0000 | 28.5000 | HHDT |
| CC-11 Dome Construction | Onsite truck | 0.00000 | 0.40000 | HHDT |
| Startup & Checkout | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Startup & Checkout | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Startup & Checkout | Hauling | 4.00000 | 28.5000 | HHDT |
| Startup & Checkout | Onsite truck | — | — | HHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-12 Rail Track Installation (Supply & Installation) | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-12 Rail Track Installation (Supply & Installation) | Onsite truck | 1.000000 | 0.40000 | HHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-10 Unattended Truck Self-Loading Kiosk | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Hauling | 4.00000 | 28.5000 | HHDT |
| CC-10 Unattended Truck Self-Loading Kiosk | Onsite truck | — | — | HHDT |
| CC-07 Structural Mechanical Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-07 Structural Mechanical Installation | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| CC-07 Structural Mechanical Installation | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-07 Structural Mechanical Installation | Onsite truck | 0.00000 | 0.00000 | HHDT |
| Ship Unloader Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Ship Unloader Installation | Vendor | 1.67000 | 72.3000 | HHDT,MHDT |
| Ship Unloader Installation | Hauling | 8.00000 | 28.5000 | HHDT |
| Ship Unloader Installation | Onsite truck | — | — | HHDT |
| Dry Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Dry Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Dry Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| Dry Commissioning | Onsite truck | — | — | HHDT |
| Wet Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Wet Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Wet Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| Wet Commissioning | Onsite truck | — | — | HHDT |
| Float | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Float | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Float | Hauling | 16.0000 | 28.5000 | HHDT |
| Float | Onsite truck | — | — | HHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Vendor | 10.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Onsite truck | 1.000000 | 0.40000 | HHDT |
| P.II CC-07 Structural & Mechanical Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| P.II CC-07 Structural & Mechanical Installation | Vendor | 6.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-07 Structural & Mechanical Installation | Hauling | 16.0000 | 28.5000 | HHDT |
| P.II CC-07 Structural & Mechanical Installation | Onsite truck | — | — | HHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-08 Electrical and Instrumentation Installation | Vendor | 4.00000 | 9.10000 | HHDT,MHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Hauling | 8.00000 | 28.5000 | HHDT |
| P.II CC-08 Electrical and Instrumentation Installation | Onsite truck | — | — | HHDT |
| P.II CC-11 Dome #6 Construction | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II CC-11 Dome #6 Construction | Vendor | 12.0000 | 9.10000 | HHDT,MHDT |
| P.II CC-11 Dome #6 Construction | Hauling | 12.0000 | 28.5000 | HHDT |
| P.II CC-11 Dome #6 Construction | Onsite truck | 0.00000 | 0.00000 | HHDT |
| P.II Checkout | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Checkout | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Checkout | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Checkout | Onsite truck | — | — | HHDT |
| P.II Dry Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Dry Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Dry Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Dry Commissioning | Onsite truck | — | — | HHDT |
| P.II Wet Commissioning | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| P.II Wet Commissioning | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Wet Commissioning | Hauling | 4.00000 | 28.5000 | HHDT |
| P.II Wet Commissioning | Onsite truck | — | — | HHDT |
| P.II Float | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| P.II Float | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| P.II Float | Hauling | 8.00000 | 28.5000 | HHDT |
| P.II Float | Onsite truck | — | — | HHDT |
| Phase 1 Worker Trips | Worker | 200.000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 Worker Trips | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Phase 1 Worker Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 1 Worker Trips | Onsite truck | — | — | HHDT |
| Phase 2 Worker Trips | Worker | 84.0000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 2 Worker Trips | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| Phase 2 Worker Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 2 Worker Trips | Onsite truck | — | — | HHDT |
| Phase 1 CC1/2 Vendor Trips | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 CC1/2 Vendor Trips | Vendor | 60.0000 | 9.10000 | HHDT,MHDT |
| Phase 1 CC1/2 Vendor Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 1 CC1/2 Vendor Trips | Onsite truck | — | — | HHDT |
| Phase 1 CC3-12 Vendor Trips | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| Phase 1 CC3-12 Vendor Trips | Vendor | 30.0000 | 9.10000 | HHDT,MHDT |
| Phase 1 CC3-12 Vendor Trips | Hauling | 0.00000 | 0.00000 | HHDT |
| Phase 1 CC3-12 Vendor Trips | Onsite truck | — | — | HHDT |
| CC-06 Landside Foundations & Paving | Worker | 0.00000 | 11.8900 | LDA,LDT1,LDT2 |
| CC-06 Landside Foundations & Paving | Vendor | 0.00000 | 9.10000 | HHDT,MHDT |
| CC-06 Landside Foundations & Paving | Hauling | 16.0000 | 28.5000 | HHDT |
| CC-06 Landside Foundations & Paving | Onsite truck | 1.000000 | 0.40000 | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| CC-01 Demolition | 0.00000 | 0.00000 | 0.00000 | 181,000 | 0.00000 |
| P.II CC-01 Demo: Bunker #6 | 0.00000 | 0.00000 | 0.00000 | 13,700.0 | 0.00000 |
| CC-02 Preconstruction & Site Preparation | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| CC-06 Landside Foundations & Paving | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.03000 |

### 5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| CC-06 Landside Foundations & Paving | General Heavy Industry | 0.03000 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2026 | 0.00000 | 453.209 | 0.03300 | 0.00400 |
| 2027 | 0.00000 | 453.209 | 0.03300 | 0.00400 |
| 2028 | 0.00000 | 453.209 | 0.03300 | 0.00400 |

| | | | | |
|---|---|---|---|---|
| 2030 | 0.00000 | 453.209 | 0.03300 | 0.00400 |
| 2031 | 0.00000 | 453.209 | 0.03300 | 0.00400 |

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

#### 5.18.1.2. Mitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

#### 5.18.1.2. Mitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

#### 5.18.2.2. Mitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.2300 | annual days of extreme heat |
| Extreme Precipitation | 2.40000 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 4.10000 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 0 | 0 | 0 | N/A |
| Drought | 0 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 1 | 1 | 1 | 2 |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 46.9944 |
| AQ-PM | 58.3323 |
| AQ-DPM | 91.2134 |
| Drinking Water | 41.5511 |
| Lead Risk Housing | 52.1739 |
| Pesticides | 69.9310 |
| Toxic Releases | 83.2458 |
| Traffic | 62.8750 |
| Effect Indicators | — |
| CleanUp Sites | 89.7910 |
| Groundwater | 96.6462 |
| Haz Waste Facilities/Generators | 77.1013 |
| Impaired Water Bodies | 98.7190 |
| Solid Waste | 84.7423 |
| Sensitive Population | — |
| Asthma | 95.5882 |
| Cardio-vascular | 88.5219 |
| Low Birth Weights | 81.8835 |
| Socioeconomic Factor Indicators | — |
| Education | 86.9527 |
| Housing | 58.7706 |
| Linguistic | 71.3899 |
| Poverty | 84.1206 |
| Unemployment | 52.5247 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 14.26921596 |
| Employed | 8.417810856 |
| Median HI | 24.08571795 |
| Education | — |
| Bachelor's or higher | 5.671756705 |
| High school enrollment | 24.5989991 |
| Preschool enrollment | 42.2302066 |
| Transportation | — |
| Auto Access | 48.80020531 |
| Active commuting | 7.86603362 |
| Social | — |
| 2-parent households | 40.11292185 |
| Voting | 24.1498781 |
| Neighborhood | — |
| Alcohol availability | 76.45322726 |
| Park access | 33.78673168 |
| Retail density | 31.23315796 |
| Supermarket access | 7.096111895 |
| Tree canopy | 64.82740921 |
| Housing | — |
| Homeownership | 41.92223791 |
| Housing habitability | 25.72821763 |
| Low-inc homeowner severe housing cost burden | 57.60297703 |
| Low-inc renter severe housing cost burden | 11.04837675 |
| Uncrowded housing | 14.25638393 |
| Health Outcomes | — |

| | |
|---|---|
| Insured adults | 19.59450789 |
| Arthritis | 36.0 |
| Asthma ER Admissions | 1.7 |
| High Blood Pressure | 8.6 |
| Cancer (excluding skin) | 82.6 |
| Asthma | 14.8 |
| Coronary Heart Disease | 37.1 |
| Chronic Obstructive Pulmonary Disease | 17.9 |
| Diagnosed Diabetes | 13.1 |
| Life Expectancy at Birth | 7.6 |
| Cognitively Disabled | 68.5 |
| Physically  Disabled | 36.0 |
| Heart Attack ER Admissions | 2.8 |
| Mental Health Not Good | 13.3 |
| Chronic Kidney Disease | 20.1 |
| Obesity | 13.0 |
| Pedestrian Injuries | 81.6 |
| Physical Health Not Good | 13.4 |
| Stroke | 17.3 |
| Health Risk Behaviors | — |
| Binge Drinking | 90.4 |
| Current Smoker | 10.2 |
| No Leisure Time for Physical Activity | 4.3 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 8.5 |
| Elderly | 90.4 |

| | |
|---|---|
| English Speaking | 23.9 |
| Foreign-born | 75.6 |
| Outdoor Workers | 5.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.8 |
| Traffic Density | 78.2 |
| Traffic Access | 0.0 |
| Other Indices | — |
| Hardship | 91.5 |
| Other Decision Support | — |
| 2016 Voting | 6.3 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 99.0000 |
| Healthy Places Index Score for Project Location (b) | 15.0000 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | Southwest Stockton |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Site specific information was provided by Applicant |
| Construction: Off-Road Equipment | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Dust From Material Movement | Changes were made based on site specific data. |
| Construction: Trips and VMT | Changes were made based on site specific information. |
| Construction: Paving | Client input: Approx. 1,500 sq. ft. of roadway pavement to be put in place. |

## 8.4. Construction

### 8.4.1. Construction Phases

| Phase Type | Phase Name | Model Parameter | Default Value | New Value |
|---|---|---|---|---|
| Building Construction | Phase 1 CC1/2 Vendor Trips | End Date | 3/12/2027 | 4/29/2027 |
| Building Construction | Phase 1 CC1/2 Vendor Trips | Work Days per Phase | 209.000 | 250.000 |
| Building Construction | Phase 1 CC3-12 Vendor Trips | End Date | 2/15/2028 | 5/10/2028 |
| Building Construction | Phase 1 CC3-12 Vendor Trips | Work Days per Phase | 364.000 | 437.000 |

### 8.4.2. Off-Road Equipment

| Phase Name | Equipment Type | Model Parameter | Default Value | New Value |
|---|---|---|---|---|
| CC-01 Demolition | Cranes | Horsepower | 400.000 | 300.000 |
| CC-01 Demolition | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-01 Demo: Bunker #6 | Excavators | Number per Day | 3.00000 | 2.00000 |
| P.II CC-01 Demo: Bunker #6 | Excavators | Hours Per Day | 8.00000 | 4.00000 |
| P.II CC-01 Demo: Bunker #6 | Cranes | Horsepower | 400.000 | 300.000 |
| P.II CC-01 Demo: Bunker #6 | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |

| | | | | |
|---|---|---|---|---|
| CC-02 Preconstruction & Site Preparation | Rubber Tired Dozers | Number per Day | 3.00000 | 2.00000 |
| CC-02 Preconstruction & Site Preparation | Rubber Tired Dozers | Hours Per Day | 8.00000 | 6.00000 |
| CC-02 Preconstruction & Site Preparation | Tractors/Loaders/Backhoes | Number per Day | 4.00000 | 2.00000 |
| CC-02 Preconstruction & Site Preparation | Tractors/Loaders/Backhoes | Hours Per Day | 8.00000 | 6.00000 |
| CC-02 Preconstruction & Site Preparation | Cranes | Horsepower | 400.000 | 300.000 |
| CC-02 Preconstruction & Site Preparation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Forklifts | Number per Day | 3.00000 | 2.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Cranes | Hours Per Day | 7.00000 | 6.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Cranes | Horsepower | 367.000 | 511.000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Welders | Number per Day | 1.000000 | 2.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Welders | Hours Per Day | 8.00000 | 2.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-05 Landside Piling / Ground Improvements | Forklifts | Number per Day | 3.00000 | 2.00000 |
| CC-05 Landside Piling / Ground Improvements | Forklifts | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| CC-05 Landside Piling / Ground Improvements | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| CC-05 Landside Piling / Ground Improvements | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| CC-05 Landside Piling / Ground Improvements | Cranes | Number per Day | 1.000000 | 3.00000 |
| CC-05 Landside Piling / Ground Improvements | Cranes | Hours Per Day | 7.00000 | 6.00000 |
| CC-05 Landside Piling / Ground Improvements | Cranes | Horsepower | 367.000 | 325.000 |
| CC-05 Landside Piling / Ground Improvements | Welders | Number per Day | 1.000000 | 2.00000 |
| CC-05 Landside Piling / Ground Improvements | Welders | Hours Per Day | 8.00000 | 2.00000 |
| CC-05 Landside Piling / Ground Improvements | Other Material Handling Equipment | Horsepower | 300.000 | 425.000 |
| CC-05 Landside Piling / Ground Improvements | Other Material Handling Equipment | Load Factor | 0.74000 | 0.40000 |
| CC-05 Landside Piling / Ground Improvements | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Forklifts | Number per Day | 3.00000 | 2.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Generator Sets | Number per Day | 1.000000 | 3.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Welders | Number per Day | 1.000000 | 3.00000 |

| | | | | |
|---|---|---|---|---|
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Welders | Hours Per Day | 8.00000 | 2.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-11 Dome Construction | Forklifts | Number per Day | 3.00000 | 1.000000 |
| CC-11 Dome Construction | Forklifts | Hours Per Day | 8.00000 | 2.50000 |
| CC-11 Dome Construction | Generator Sets | Hours Per Day | 8.00000 | 7.50000 |
| CC-11 Dome Construction | Cranes | Hours Per Day | 7.00000 | 5.00000 |
| CC-11 Dome Construction | Cranes | Horsepower | 367.000 | 300.000 |
| CC-11 Dome Construction | Welders | Number per Day | 1.000000 | 2.00000 |
| CC-11 Dome Construction | Welders | Hours Per Day | 8.00000 | 2.50000 |
| CC-11 Dome Construction | Tractors/Loaders/Backhoes | Number per Day | 3.00000 | 1.000000 |
| CC-11 Dome Construction | Tractors/Loaders/Backhoes | Hours Per Day | 7.00000 | 7.50000 |
| CC-11 Dome Construction | Rollers | Hours Per Day | 3.00000 | 2.50000 |
| CC-11 Dome Construction | Rollers | Horsepower | 75.0000 | 36.0000 |
| CC-11 Dome Construction | Rollers | Load Factor | 0.43000 | 0.38000 |
| CC-11 Dome Construction | Other Construction Equipment | Hours Per Day | 3.00000 | 2.50000 |
| CC-11 Dome Construction | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-11 Dome Construction | Air Compressors | Hours Per Day | 3.00000 | 2.50000 |
| CC-11 Dome Construction | Other Material Handling Equipment | Hours Per Day | 8.00000 | 7.50000 |
| CC-11 Dome Construction | Other Material Handling Equipment | Horsepower | 300.000 | 425.000 |
| CC-11 Dome Construction | Other Material Handling Equipment | Load Factor | 0.74000 | 0.40000 |
| Startup & Checkout | Forklifts | Number per Day | 3.00000 | 1.000000 |
| Startup & Checkout | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| Startup & Checkout | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| Startup & Checkout | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| Startup & Checkout | Welders | Number per Day | 1.000000 | 2.00000 |
| Startup & Checkout | Welders | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| CC-12 Rail Track Installation (Supply & Installation) | Forklifts | Number per Day | 3.00000 | 1.000000 |
| CC-12 Rail Track Installation (Supply & Installation) | Forklifts | Hours Per Day | 8.00000 | 2.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| CC-12 Rail Track Installation (Supply & Installation) | Generator Sets | Hours Per Day | 8.00000 | 7.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Welders | Hours Per Day | 8.00000 | 2.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Tractors/Loaders/Backhoes | Number per Day | 3.00000 | 1.000000 |
| CC-12 Rail Track Installation (Supply & Installation) | Tractors/Loaders/Backhoes | Hours Per Day | 7.00000 | 7.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Rubber Tired Dozers | Hours Per Day | 8.00000 | 7.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Air Compressors | Hours Per Day | 3.00000 | 2.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Rollers | Hours Per Day | 3.00000 | 2.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Hours Per Day | 3.00000 | 2.50000 |
| CC-12 Rail Track Installation (Supply & Installation) | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Forklifts | Number per Day | 3.00000 | 1.000000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Forklifts | Hours Per Day | 8.00000 | 2.50000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Generator Sets | Hours Per Day | 8.00000 | 5.00000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Cranes | Hours Per Day | 7.00000 | 1.000000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Cranes | Horsepower | 367.000 | 300.000 |

| | | | | |
|---|---|---|---|---|
| CC-10 Unattended Truck Self-Loading Kiosk | Welders | Hours Per Day | 8.00000 | 2.50000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Aerial Lifts | Hours Per Day | 3.00000 | 2.50000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Air Compressors | Hours Per Day | 3.00000 | 2.50000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Other Construction Equipment | Hours Per Day | 3.00000 | 2.50000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-07 Structural Mechanical Installation | Forklifts | Number per Day | 3.00000 | 2.00000 |
| CC-07 Structural Mechanical Installation | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| CC-07 Structural Mechanical Installation | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| CC-07 Structural Mechanical Installation | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| CC-07 Structural Mechanical Installation | Cranes | Number per Day | 1.000000 | 2.00000 |
| CC-07 Structural Mechanical Installation | Cranes | Hours Per Day | 7.00000 | 4.00000 |
| CC-07 Structural Mechanical Installation | Cranes | Horsepower | 367.000 | 300.000 |
| CC-07 Structural Mechanical Installation | Welders | Number per Day | 1.000000 | 3.00000 |
| CC-07 Structural Mechanical Installation | Welders | Hours Per Day | 8.00000 | 2.00000 |
| CC-07 Structural Mechanical Installation | Cranes | Horsepower | 800.000 | 340.000 |
| CC-07 Structural Mechanical Installation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| Ship Unloader Installation | Forklifts | Number per Day | 3.00000 | 1.000000 |
| Ship Unloader Installation | Forklifts | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| Ship Unloader Installation | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| Ship Unloader Installation | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| Ship Unloader Installation | Cranes | Hours Per Day | 7.00000 | 4.00000 |
| Ship Unloader Installation | Cranes | Horsepower | 367.000 | 340.000 |
| Ship Unloader Installation | Welders | Number per Day | 1.000000 | 2.00000 |
| Ship Unloader Installation | Welders | Hours Per Day | 8.00000 | 2.00000 |
| Ship Unloader Installation | Cranes | Horsepower | 400.000 | 300.000 |
| Ship Unloader Installation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| Dry Commissioning | Forklifts | Number per Day | 3.00000 | 1.000000 |
| Dry Commissioning | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| Dry Commissioning | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| Dry Commissioning | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| Dry Commissioning | Welders | Number per Day | 1.000000 | 2.00000 |
| Dry Commissioning | Welders | Hours Per Day | 8.00000 | 2.00000 |
| Wet Commissioning | Forklifts | Number per Day | 3.00000 | 1.000000 |
| Wet Commissioning | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| Wet Commissioning | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| Wet Commissioning | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| Wet Commissioning | Welders | Number per Day | 1.000000 | 2.00000 |
| Wet Commissioning | Welders | Hours Per Day | 8.00000 | 2.00000 |
| Float | Forklifts | Number per Day | 3.00000 | 2.00000 |
| Float | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| Float | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| Float | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| Float | Cranes | Hours Per Day | 7.00000 | 4.00000 |
| Float | Cranes | Horsepower | 367.000 | 340.000 |
| Float | Welders | Number per Day | 1.000000 | 3.00000 |
| Float | Welders | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| Float | Cranes | Horsepower | 400.000 | 300.000 |
| Float | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Forklifts | Number per Day | 3.00000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Cranes | Number per Day | 1.000000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Cranes | Hours Per Day | 7.00000 | 6.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Cranes | Horsepower | 367.000 | 325.000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Welders | Number per Day | 1.000000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Tractors/Loaders/Backhoes | Number per Day | 3.00000 | 1.000000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Tractors/Loaders/Backhoes | Hours Per Day | 7.00000 | 2.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Material Handling Equipment | Horsepower | 300.000 | 425.000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Material Handling Equipment | Load Factor | 0.74000 | 0.40000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-07 Structural & Mechanical Installation | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II CC-07 Structural & Mechanical Installation | Forklifts | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| P.II CC-07 Structural & Mechanical Installation | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| P.II CC-07 Structural & Mechanical Installation | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II CC-07 Structural & Mechanical Installation | Cranes | Hours Per Day | 7.00000 | 6.00000 |
| P.II CC-07 Structural & Mechanical Installation | Cranes | Horsepower | 367.000 | 300.000 |
| P.II CC-07 Structural & Mechanical Installation | Welders | Number per Day | 1.000000 | 2.00000 |
| P.II CC-07 Structural & Mechanical Installation | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II CC-07 Structural & Mechanical Installation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-08 Electrical and Instrumentation Installation | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II CC-08 Electrical and Instrumentation Installation | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Generator Sets | Number per Day | 1.000000 | 2.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Welders | Number per Day | 1.000000 | 2.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-11 Dome #6 Construction | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II CC-11 Dome #6 Construction | Forklifts | Hours Per Day | 8.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Generator Sets | Hours Per Day | 8.00000 | 7.50000 |
| P.II CC-11 Dome #6 Construction | Cranes | Hours Per Day | 7.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Cranes | Horsepower | 367.000 | 300.000 |
| P.II CC-11 Dome #6 Construction | Welders | Number per Day | 1.000000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| P.II CC-11 Dome #6 Construction | Welders | Hours Per Day | 8.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Tractors/Loaders/Backhoes | Number per Day | 3.00000 | 1.000000 |
| P.II CC-11 Dome #6 Construction | Tractors/Loaders/Backhoes | Hours Per Day | 7.00000 | 7.50000 |
| P.II CC-11 Dome #6 Construction | Air Compressors | Hours Per Day | 3.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Other Construction Equipment | Hours Per Day | 3.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II CC-11 Dome #6 Construction | Rollers | Hours Per Day | 3.00000 | 2.50000 |
| P.II CC-11 Dome #6 Construction | Other Material Handling Equipment | Hours Per Day | 8.00000 | 7.50000 |
| P.II CC-11 Dome #6 Construction | Other Material Handling Equipment | Horsepower | 300.000 | 425.000 |
| P.II CC-11 Dome #6 Construction | Other Material Handling Equipment | Load Factor | 0.74000 | 0.40000 |
| P.II Checkout | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II Checkout | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II Checkout | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II Checkout | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II Dry Commissioning | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II Dry Commissioning | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II Dry Commissioning | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II Dry Commissioning | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II Wet Commissioning | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II Wet Commissioning | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II Wet Commissioning | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II Wet Commissioning | Welders | Hours Per Day | 8.00000 | 2.00000 |
| P.II Float | Forklifts | Number per Day | 3.00000 | 1.000000 |
| P.II Float | Forklifts | Hours Per Day | 8.00000 | 2.00000 |
| P.II Float | Generator Sets | Hours Per Day | 8.00000 | 6.00000 |
| P.II Float | Cranes | Hours Per Day | 7.00000 | 2.00000 |
| P.II Float | Cranes | Horsepower | 367.000 | 300.000 |
| P.II Float | Welders | Hours Per Day | 8.00000 | 2.00000 |

| | | | | |
|---|---|---|---|---|
| P.II Float | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| P.II Float | Cranes | Horsepower | 800.000 | 340.000 |
| CC-06 Landside Foundations & Paving | Pavers | Number per Day | 2.00000 | 1.000000 |
| CC-06 Landside Foundations & Paving | Pavers | Hours Per Day | 8.00000 | 2.00000 |
| CC-06 Landside Foundations & Paving | Rollers | Hours Per Day | 8.00000 | 2.00000 |
| CC-06 Landside Foundations & Paving | Cranes | Horsepower | 400.000 | 300.000 |
| CC-06 Landside Foundations & Paving | Other Construction Equipment | Horsepower | 40.0000 | 82.0000 |
| CC-06 Landside Foundations & Paving | Other Material Handling Equipment | Horsepower | 300.000 | 425.000 |
| CC-06 Landside Foundations & Paving | Other Material Handling Equipment | Load Factor | 0.74000 | 0.40000 |

### 8.4.4. Dust from Material Movement

| Phase Name | Model Parameter | Units | Default Value | New Value |
|---|---|---|---|---|
| CC-02 Preconstruction & Site Preparation | Material Imported | Cubic Yards | — | 0.00000 |
| CC-02 Preconstruction & Site Preparation | Material Exported | Cubic Yards | — | 0.00000 |
| CC-02 Preconstruction & Site Preparation | Total Acres Graded | acres | 128.250 | 0.00000 |

### 8.4.6. Trips and VMT

| Phase Name | Trip Type | Model Parameter | Default Value | New Value |
|---|---|---|---|---|
| CC-01 Demolition | Worker | One-Way Trips per Day | 32.5000 | 0.00000 |
| CC-01 Demolition | Hauling | One-Way Trips per Day | 10.6224 | 16.0000 |
| CC-01 Demolition | Hauling | Miles per Trip | 20.0000 | 28.5000 |

| | | | | |
|---|---|---|---|---|
| P.II CC-01 Demo: Bunker #6 | Worker | One-Way Trips per Day | 30.0000 | 0.00000 |
| P.II CC-01 Demo: Bunker #6 | Hauling | One-Way Trips per Day | 1.88095 | 16.0000 |
| P.II CC-01 Demo: Bunker #6 | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-02 Preconstruction & Site Preparation | Worker | One-Way Trips per Day | 47.5000 | 0.00000 |
| CC-02 Preconstruction & Site Preparation | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| CC-02 Preconstruction & Site Preparation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Hauling | One-Way Trips per Day | 0.00000 | 8.00000 |
| CC-03 BERTH 3/4 Marine Piling & Dock Upgrade | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-05 Landside Piling / Ground Improvements | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-05 Landside Piling / Ground Improvements | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-05 Landside Piling / Ground Improvements | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| CC-05 Landside Piling / Ground Improvements | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Hauling | One-Way Trips per Day | 0.00000 | 8.00000 |

| | | | | |
|---|---|---|---|---|
| CC-08 Utility Connection, Metering & Transformer Installation & Electrical Power & Controls | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-11 Dome Construction | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-11 Dome Construction | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-11 Dome Construction | Hauling | One-Way Trips per Day | 0.00000 | 12.0000 |
| CC-11 Dome Construction | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Startup & Checkout | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Startup & Checkout | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Startup & Checkout | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| Startup & Checkout | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-12 Rail Track Installation (Supply & Installation) | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-12 Rail Track Installation (Supply & Installation) | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-12 Rail Track Installation (Supply & Installation) | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| CC-12 Rail Track Installation (Supply & Installation) | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| CC-10 Unattended Truck Self-Loading Kiosk | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| CC-07 Structural Mechanical Installation | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| CC-07 Structural Mechanical Installation | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| CC-07 Structural Mechanical Installation | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |

| | | | | |
|---|---|---|---|---|
| CC-07 Structural Mechanical Installation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Ship Unloader Installation | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Ship Unloader Installation | Vendor | One-Way Trips per Day | 78.3442 | 1.67000 |
| Ship Unloader Installation | Vendor | Miles per Trip | 9.10000 | 72.3000 |
| Ship Unloader Installation | Hauling | One-Way Trips per Day | 0.00000 | 8.00000 |
| Ship Unloader Installation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Dry Commissioning | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Dry Commissioning | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Dry Commissioning | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| Dry Commissioning | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Wet Commissioning | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Wet Commissioning | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Wet Commissioning | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| Wet Commissioning | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Float | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Float | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Float | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| Float | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Vendor | One-Way Trips per Day | 78.3442 | 10.00000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| P.II CC-05 Landside Piling or ADP & CC-06 Foundation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II CC-07 Structural & Mechanical Installation | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II CC-07 Structural & Mechanical Installation | Vendor | One-Way Trips per Day | 78.3442 | 6.00000 |

| | | | | |
|---|---|---|---|---|
| P.II CC-07 Structural & Mechanical Installation | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| P.II CC-07 Structural & Mechanical Installation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II CC-08 Electrical and Instrumentation Installation | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Vendor | One-Way Trips per Day | 78.3442 | 4.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Hauling | One-Way Trips per Day | 0.00000 | 8.00000 |
| P.II CC-08 Electrical and Instrumentation Installation | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II CC-11 Dome #6 Construction | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II CC-11 Dome #6 Construction | Vendor | One-Way Trips per Day | 78.3442 | 12.0000 |
| P.II CC-11 Dome #6 Construction | Hauling | One-Way Trips per Day | 0.00000 | 12.0000 |
| P.II CC-11 Dome #6 Construction | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II Checkout | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II Checkout | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| P.II Checkout | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| P.II Checkout | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II Dry Commissioning | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II Dry Commissioning | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| P.II Dry Commissioning | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| P.II Dry Commissioning | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II Wet Commissioning | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II Wet Commissioning | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| P.II Wet Commissioning | Hauling | One-Way Trips per Day | 0.00000 | 4.00000 |
| P.II Wet Commissioning | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| P.II Float | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| P.II Float | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| P.II Float | Hauling | One-Way Trips per Day | 0.00000 | 8.00000 |

| | | | | |
|---|---|---|---|---|
| P.II Float | Hauling | Miles per Trip | 20.0000 | 28.5000 |
| Phase 1 Worker Trips | Worker | One-Way Trips per Day | 200.760 | 200.000 |
| Phase 1 Worker Trips | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Phase 1 Worker Trips | Hauling | Miles per Trip | 20.0000 | 0.00000 |
| Phase 2 Worker Trips | Worker | One-Way Trips per Day | 200.760 | 84.0000 |
| Phase 2 Worker Trips | Vendor | One-Way Trips per Day | 78.3442 | 0.00000 |
| Phase 2 Worker Trips | Hauling | Miles per Trip | 20.0000 | 0.00000 |
| Phase 1 CC1/2 Vendor Trips | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Phase 1 CC1/2 Vendor Trips | Vendor | One-Way Trips per Day | 78.3442 | 60.0000 |
| Phase 1 CC1/2 Vendor Trips | Hauling | Miles per Trip | 20.0000 | 0.00000 |
| Phase 1 CC3-12 Vendor Trips | Worker | One-Way Trips per Day | 200.760 | 0.00000 |
| Phase 1 CC3-12 Vendor Trips | Vendor | One-Way Trips per Day | 78.3442 | 30.0000 |
| Phase 1 CC3-12 Vendor Trips | Hauling | Miles per Trip | 20.0000 | 0.00000 |
| CC-06 Landside Foundations & Paving | Worker | One-Way Trips per Day | 60.0000 | 0.00000 |
| CC-06 Landside Foundations & Paving | Hauling | One-Way Trips per Day | 0.00000 | 16.0000 |
| CC-06 Landside Foundations & Paving | Hauling | Miles per Trip | 20.0000 | 28.5000 |

### 8.4.9. Paving

| Phase Name | Land Use | Model Parameter | Units | Default Value | New Value |
|---|---|---|---|---|---|
| CC-06 Landside Foundations & Paving | General Heavy Industry | Area Paved | acres | 0.00000 | 0.03000 |
| CC-06 Landside Foundations & Paving | General Heavy Industry | % Asphalt | % | 0.00000 | 100.0000 |

# Port of Stockton - Nevada Cement_Baseline_2023_with onsite mobile equipment Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Port of Stockton - Nevada Cement_Baseline_2023_with onsite mobile equipment |
| Operational Year | 2023 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40000 |
| Precipitation (days) | 0.40000 |
| Location | Port of Stockton, Stockton, CA 95203, USA |
| County | San Joaquin |
| City | Stockton |
| Air District | San Joaquin Valley APCD |
| Air Basin | San Joaquin Valley |
| TAZ | 2023 |
| EDFZ | 4 |
| Electric Utility | Pacific Gas & Electric Company |
| Gas Utility | Pacific Gas & Electric |
| App Version | 2022.1.1.43 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 478.000 | 1000sqft | 10.9734 | 478,000 | 0.00000 | 0.00000 | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

### 2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 17.2829 | 16.4246 | 18.8326 | 65.5789 | 0.10184 | 0.91997 | 0.69994 | 1.61991 | 0.87842 | 0.17697 | 1.05539 | 531.256 | 15,878.4 | 16,409.7 | 54.8486 | 0.64020 | 127.797 | 18,099.5 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13.5778 | 13.0046 | 18.7008 | 43.9721 | 0.09987 | 0.88294 | 0.69994 | 1.58288 | 0.85044 | 0.17697 | 1.02741 | 531.256 | 15,718.2 | 16,249.4 | 54.8469 | 0.64244 | 124.513 | 17,936.6 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.6534 | 14.0153 | 14.0758 | 31.6901 | 0.06618 | 0.73002 | 0.69976 | 1.42978 | 0.70232 | 0.17693 | 0.87925 | 531.256 | 12,090.3 | 12,621.6 | 54.6981 | 0.61154 | 125.881 | 14,297.2 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.67425 | 2.55779 | 2.56883 | 5.78345 | 0.01208 | 0.13323 | 0.12771 | 0.26093 | 0.12817 | 0.03229 | 0.16046 | 87.9554 | 2,001.69 | 2,089.65 | 9.05590 | 0.10125 | 20.8410 | 2,367.06 |

### 2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.17906 | 0.16120 | 0.15346 | 3.23382 | 0.00735 | 0.00363 | 0.69994 | 0.70357 | 0.00334 | 0.17697 | 0.18031 | — | 744.011 | 744.011 | 0.01571 | 0.01545 | 3.37099 | 752.380 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 14.5293 | 14.2439 | 0.17585 | 20.7745 | 0.00124 | 0.03703 | — | 0.03703 | 0.02798 | — | 0.02798 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 8,363.01 | 8,363.01 | 0.88755 | 0.05141 | — | 8,400.52 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.98905 | 1.72668 | 13.1804 | 37.0994 | 0.06131 | 0.47477 | — | 0.47477 | 0.44256 | — | 0.44256 | — | 6,484.54 | 6,484.54 | 0.26304 | 0.05261 | — | 6,506.80 |
| Total | 17.2829 | 16.4246 | 18.8326 | 65.5789 | 0.10184 | 0.91997 | 0.69994 | 1.61991 | 0.87842 | 0.17697 | 1.05539 | 531.256 | 15,878.4 | 16,409.7 | 54.8486 | 0.64020 | 127.797 | 18,099.5 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.16684 | 0.14878 | 0.19746 | 2.40145 | 0.00662 | 0.00363 | 0.69994 | 0.70357 | 0.00334 | 0.17697 | 0.18031 | — | 669.238 | 669.238 | 0.01762 | 0.01843 | 0.08739 | 675.258 |
| Area | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 8,363.01 | 8,363.01 | 0.88755 | 0.05141 | — | 8,400.52 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.98905 | 1.72668 | 13.1804 | 37.0994 | 0.06131 | 0.47477 | — | 0.47477 | 0.44256 | — | 0.44256 | — | 6,484.54 | 6,484.54 | 0.26304 | 0.05261 | — | 6,506.80 |
| Total | 13.5778 | 13.0046 | 18.7008 | 43.9721 | 0.09987 | 0.88294 | 0.69994 | 1.58288 | 0.85044 | 0.17697 | 1.02741 | 531.256 | 15,718.2 | 16,249.4 | 54.8469 | 0.64244 | 124.513 | 17,936.6 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.16654 | 0.14876 | 0.17709 | 2.52585 | 0.00679 | 0.00363 | 0.69976 | 0.70339 | 0.00334 | 0.17693 | 0.18027 | — | 686.888 | 686.888 | 0.01662 | 0.01709 | 1.45556 | 693.851 |
| Area | 12.6575 | 12.5168 | 0.08672 | 10.2450 | 0.00061 | 0.01826 | — | 0.01826 | 0.01380 | — | 0.01380 | — | 42.1588 | 42.1588 | 0.00177 | 0.00036 | — | 42.3108 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 8,363.01 | 8,363.01 | 0.88755 | 0.05141 | — | 8,400.52 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.24384 | 1.05694 | 8.48907 | 14.4481 | 0.02684 | 0.30359 | — | 0.30359 | 0.28064 | — | 0.28064 | — | 2,796.89 | 2,796.89 | 0.11345 | 0.02269 | — | 2,806.49 |
| Total | 14.6534 | 14.0153 | 14.0758 | 31.6901 | 0.06618 | 0.73002 | 0.69976 | 1.42978 | 0.70232 | 0.17693 | 0.87925 | 531.256 | 12,090.3 | 12,621.6 | 54.6981 | 0.61154 | 125.881 | 14,297.2 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.03039 | 0.02715 | 0.03232 | 0.46097 | 0.00124 | 0.00066 | 0.12771 | 0.12837 | 0.00061 | 0.03229 | 0.03290 | — | 113.722 | 113.722 | 0.00275 | 0.00283 | 0.24098 | 114.875 |
| Area | 2.31000 | 2.28432 | 0.01583 | 1.86971 | 0.00011 | 0.00333 | — | 0.00333 | 0.00252 | — | 0.00252 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Energy | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,384.59 | 1,384.59 | 0.14694 | 0.00851 | — | 1,390.80 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Off-Road | 0.22700 | 0.19289 | 1.54925 | 2.63677 | 0.00490 | 0.05540 | — | 0.05540 | 0.05122 | — | 0.05122 | — | 463.058 | 463.058 | 0.01878 | 0.00376 | — | 464.647 |
| Total | 2.67425 | 2.55779 | 2.56883 | 5.78345 | 0.01208 | 0.13323 | 0.12771 | 0.26093 | 0.12817 | 0.03229 | 0.16046 | 87.9554 | 2,001.69 | 2,089.65 | 9.05590 | 0.10125 | 20.8410 | 2,367.06 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,011.89 | 2,011.89 | 0.32548 | 0.03945 | — | 2,031.78 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,011.89 | 2,011.89 | 0.32548 | 0.03945 | — | 2,031.78 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,011.89 | 2,011.89 | 0.32548 | 0.03945 | — | 2,031.78 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,011.89 | 2,011.89 | 0.32548 | 0.03945 | — | 2,031.78 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 333.091 | 333.091 | 0.05389 | 0.00653 | — | 336.385 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 333.091 | 333.091 | 0.05389 | 0.00653 | — | 336.385 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |
| Total | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.69291 | 3.40755 | 0.17585 | 20.7745 | 0.00124 | 0.03703 | — | 0.03703 | 0.02798 | — | 0.02798 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Total | 14.5293 | 14.2439 | 0.17585 | 20.7745 | 0.00124 | 0.03703 | — | 0.03703 | 0.02798 | — | 0.02798 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.86683 | 1.86683 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.11081 | 0.11081 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.33236 | 0.30668 | 0.01583 | 1.86971 | 0.00011 | 0.00333 | — | 0.00333 | 0.00252 | — | 0.00252 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Total | 2.31000 | 2.28432 | 0.01583 | 1.86971 | 0.00011 | 0.00333 | — | 0.00333 | 0.00252 | — | 0.00252 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.90 | 2,738.90 | 0.11110 | 0.02222 | — | 2,748.30 |
| Forklifts | 0.10894 | 0.09154 | 0.86213 | 1.05009 | 0.00141 | 0.05278 | — | 0.05278 | 0.04855 | — | 0.04855 | — | 152.461 | 152.461 | 0.00618 | 0.00124 | — | 152.984 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.565 | 213.565 | 0.00866 | 0.00173 | — | 214.298 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.496 | 171.496 | 0.00696 | 0.00139 | — | 172.085 |
| Welders | 0.25471 | 0.21051 | 1.42071 | 1.67802 | 0.00268 | 0.05514 | — | 0.05514 | 0.05073 | — | 0.05073 | — | 207.475 | 207.475 | 0.00842 | 0.00168 | — | 208.187 |
| Air Compressors | 0.23602 | 0.19506 | 1.24528 | 1.53924 | 0.00230 | 0.04914 | — | 0.04914 | 0.04521 | — | 0.04521 | — | 178.018 | 178.018 | 0.00722 | 0.00144 | — | 178.629 |
| Off-Highway Tractors | 0.91636 | 0.77000 | 5.10360 | 5.93916 | 0.01738 | 0.21376 | — | 0.21376 | 0.19666 | — | 0.19666 | — | 1,882.29 | 1,882.29 | 0.07635 | 0.01527 | — | 1,888.75 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00643 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 695.789 | 695.789 | 0.02822 | 0.00564 | — | 698.176 |
| Skid Steer Loaders | 0.08416 | 0.07072 | 0.94093 | 1.51036 | 0.00226 | 0.03175 | — | 0.03175 | 0.02921 | — | 0.02921 | — | 244.553 | 244.553 | 0.00992 | 0.00198 | — | 245.392 |
| Total | 1.98905 | 1.72668 | 13.1804 | 37.0994 | 0.06131 | 0.47477 | — | 0.47477 | 0.44256 | — | 0.44256 | — | 6,484.54 | 6,484.54 | 0.26304 | 0.05261 | — | 6,506.80 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tractors/ | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.90 | 2,738.90 | 0.11110 | 0.02222 | — | 2,748.30 |
| Forklifts | 0.10894 | 0.09154 | 0.86213 | 1.05009 | 0.00141 | 0.05278 | — | 0.05278 | 0.04855 | — | 0.04855 | — | 152.461 | 152.461 | 0.00618 | 0.00124 | — | 152.984 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.565 | 213.565 | 0.00866 | 0.00173 | — | 214.298 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.496 | 171.496 | 0.00696 | 0.00139 | — | 172.085 |
| Welders | 0.25471 | 0.21051 | 1.42071 | 1.67802 | 0.00268 | 0.05514 | — | 0.05514 | 0.05073 | — | 0.05073 | — | 207.475 | 207.475 | 0.00842 | 0.00168 | — | 208.187 |
| Air Compressors | 0.23602 | 0.19506 | 1.24528 | 1.53924 | 0.00230 | 0.04914 | — | 0.04914 | 0.04521 | — | 0.04521 | — | 178.018 | 178.018 | 0.00722 | 0.00144 | — | 178.629 |
| Off-Highway Tractors | 0.91636 | 0.77000 | 5.10360 | 5.93916 | 0.01738 | 0.21376 | — | 0.21376 | 0.19666 | — | 0.19666 | — | 1,882.29 | 1,882.29 | 0.07635 | 0.01527 | — | 1,888.75 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00643 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 695.789 | 695.789 | 0.02822 | 0.00564 | — | 698.176 |
| Skid Steer Loaders | 0.08416 | 0.07072 | 0.94093 | 1.51036 | 0.00226 | 0.03175 | — | 0.03175 | 0.02921 | — | 0.02921 | — | 244.553 | 244.553 | 0.00992 | 0.00198 | — | 245.392 |
| Total | 1.98905 | 1.72668 | 13.1804 | 37.0994 | 0.06131 | 0.47477 | — | 0.47477 | 0.44256 | — | 0.44256 | — | 6,484.54 | 6,484.54 | 0.26304 | 0.05261 | — | 6,506.80 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.00911 | 0.00911 | 0.04739 | 0.67437 | 0.00089 | 0.00182 | — | 0.00182 | 0.00182 | — | 0.00182 | — | 86.9642 | 86.9642 | 0.00353 | 0.00071 | — | 87.2626 |
| Forklifts | 0.01416 | 0.01190 | 0.11208 | 0.13651 | 0.00018 | 0.00686 | — | 0.00686 | 0.00631 | — | 0.00631 | — | 17.9803 | 17.9803 | 0.00073 | 0.00015 | — | 18.0420 |
| Aerial Lifts | 0.00473 | 0.00473 | 0.14412 | 0.19461 | 0.00026 | 0.00053 | — | 0.00053 | 0.00053 | — | 0.00053 | — | 25.1866 | 25.1866 | 0.00102 | 0.00020 | — | 25.2730 |
| Sweepers/Scrubbers | 0.00342 | 0.00342 | 0.10441 | 0.15567 | 0.00021 | 0.00038 | — | 0.00038 | 0.00038 | — | 0.00038 | — | 20.2252 | 20.2252 | 0.00082 | 0.00016 | — | 20.2946 |
| Welders | 0.03311 | 0.02737 | 0.18469 | 0.21814 | 0.00035 | 0.00717 | — | 0.00717 | 0.00659 | — | 0.00659 | — | 24.4684 | 24.4684 | 0.00099 | 0.00020 | — | 24.5524 |
| Air Compressors | 0.03068 | 0.02536 | 0.16189 | 0.20010 | 0.00030 | 0.00639 | — | 0.00639 | 0.00588 | — | 0.00588 | — | 20.9944 | 20.9944 | 0.00085 | 0.00017 | — | 21.0665 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-High Tractors | 0.11913 | 0.10010 | 0.66347 | 0.77209 | 0.00226 | 0.02779 | — | 0.02779 | 0.02557 | — | 0.02557 | — | 221.986 | 221.986 | 0.00900 | 0.00180 | — | 222.748 |
| Other General Industrial Equipment | 0.00171 | 0.00171 | 0.00889 | 0.08893 | 0.00017 | 0.00034 | — | 0.00034 | 0.00034 | — | 0.00034 | — | 16.4114 | 16.4114 | 0.00067 | 0.00013 | — | 16.4678 |
| Skid Steer Loaders | 0.01094 | 0.00919 | 0.12232 | 0.19635 | 0.00029 | 0.00413 | — | 0.00413 | 0.00380 | — | 0.00380 | — | 28.8411 | 28.8411 | 0.00117 | 0.00023 | — | 28.9401 |
| Total | 0.22700 | 0.19289 | 1.54925 | 2.63677 | 0.00490 | 0.05540 | — | 0.05540 | 0.05122 | — | 0.05122 | — | 463.058 | 463.058 | 0.01878 | 0.00376 | — | 464.647 |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipm Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 50.0000 | 50.0000 | 50.0000 | 18,250.0 | 1,000.000 | 1,000.000 | 1,000.000 | 365,000 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

| Land Use | Hearth Type | Unmitigated (number) | Mitigated (number) |
|---|---|---|---|
| General Heavy Industry | Wood Fireplaces | 0 | 0 |
| General Heavy Industry | Gas Fireplaces | 0 | 0 |
| General Heavy Industry | Propane Fireplaces | 0 | 0 |
| General Heavy Industry | Electric Fireplaces | 0 | 0 |
| General Heavy Industry | No Fireplaces | 0 | 0 |
| General Heavy Industry | Conventional Wood Stoves | 0 | 0 |
| General Heavy Industry | Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Non-Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Pellet Wood Stoves | 0 | 0 |

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0.00000 | 0.00000 | 717,000 | 239,000 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00000 |
| Summer Days | day/yr | 180.000 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| General Heavy Industry | 3,600,000 | 203.983 | 0.0330 | 0.0040 | 19,817,215 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Heavy Industry | 110,537,500 | 0.00000 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Heavy Industry | 592.720 | 0.00000 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088.00 | 0.30000 | 4.00000 | 4.00000 | 18.0000 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00000 | 21.0000 | 152.000 | 0.37000 |
| Forklifts | Diesel | Average | 1.000000 | 8.00000 | 82.0000 | 0.20000 |
| Aerial Lifts | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 74.0000 | 0.31000 |
| Sweepers/Scrubbers | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 36.0000 | 0.46000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Welders | Diesel | Average | 1.000000 | 8.00000 | 46.0000 | 0.45000 |
| Air Compressors | Diesel | Average | 1.000000 | 8.00000 | 37.0000 | 0.48000 |
| Off-Highway Tractors | Diesel | Average | 1.000000 | 8.00000 | 376.000 | 0.44000 |
| Other General Industrial Equipment | Diesel | Tier 4 Final | 1.000000 | 9.00000 | 195.000 | 0.34000 |
| Off-Highway Tractors | Diesel | Average | 2.00000 | 8.00000 | 38.0000 | 0.44000 |
| Skid Steer Loaders | Diesel | Average | 1.000000 | 8.00000 | 71.0000 | 0.37000 |

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

### 5.16.2. Process Boilers

## 5.17. User Defined

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.2300 | annual days of extreme heat |
| Extreme Precipitation | 2.40000 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 4.10000 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Flooding | 0 | 0 | 0 | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 1 | 1 | 1 | 2 |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 46.9944 |
| AQ-PM | 58.3323 |
| AQ-DPM | 91.2134 |
| Drinking Water | 41.5511 |
| Lead Risk Housing | 52.1739 |
| Pesticides | 69.9310 |
| Toxic Releases | 83.2458 |
| Traffic | 62.8750 |
| Effect Indicators | — |
| CleanUp Sites | 89.7910 |
| Groundwater | 96.6462 |
| Haz Waste Facilities/Generators | 77.1013 |
| Impaired Water Bodies | 98.7190 |
| Solid Waste | 84.7423 |
| Sensitive Population | — |
| Asthma | 95.5882 |
| Cardio-vascular | 88.5219 |
| Low Birth Weights | 81.8835 |
| Socioeconomic Factor Indicators | — |
| Education | 86.9527 |
| Housing | 58.7706 |
| Linguistic | 71.3899 |
| Poverty | 84.1206 |
| Unemployment | 52.5247 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 14.26921596 |
| Employed | 8.417810856 |
| Median HI | 24.08571795 |
| Education | — |
| Bachelor's or higher | 5.671756705 |
| High school enrollment | 24.5989991 |
| Preschool enrollment | 42.2302066 |
| Transportation | — |
| Auto Access | 48.80020531 |
| Active commuting | 7.86603362 |
| Social | — |
| 2-parent households | 40.11292185 |
| Voting | 24.1498781 |
| Neighborhood | — |
| Alcohol availability | 76.45322726 |
| Park access | 33.78673168 |
| Retail density | 31.23315796 |
| Supermarket access | 7.096111895 |
| Tree canopy | 64.82740921 |
| Housing | — |
| Homeownership | 41.92223791 |
| Housing habitability | 25.72821763 |
| Low-inc homeowner severe housing cost burden | 57.60297703 |
| Low-inc renter severe housing cost burden | 11.04837675 |

| | |
|---|---|
| Uncrowded housing | 14.25638393 |
| Health Outcomes | — |
| Insured adults | 19.59450789 |
| Arthritis | 36.0 |
| Asthma ER Admissions | 1.7 |
| High Blood Pressure | 8.6 |
| Cancer (excluding skin) | 82.6 |
| Asthma | 14.8 |
| Coronary Heart Disease | 37.1 |
| Chronic Obstructive Pulmonary Disease | 17.9 |
| Diagnosed Diabetes | 13.1 |
| Life Expectancy at Birth | 7.6 |
| Cognitively Disabled | 68.5 |
| Physically  Disabled | 36.0 |
| Heart Attack ER Admissions | 2.8 |
| Mental Health Not Good | 13.3 |
| Chronic Kidney Disease | 20.1 |
| Obesity | 13.0 |
| Pedestrian Injuries | 81.6 |
| Physical Health Not Good | 13.4 |
| Stroke | 17.3 |
| Health Risk Behaviors | — |
| Binge Drinking | 90.4 |
| Current Smoker | 10.2 |
| No Leisure Time for Physical Activity | 4.3 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 8.5 |
| Elderly | 90.4 |
| English Speaking | 23.9 |
| Foreign-born | 75.6 |
| Outdoor Workers | 5.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.8 |
| Traffic Density | 78.2 |
| Traffic Access | 0.0 |
| Other Indices | — |
| Hardship | 91.5 |
| Other Decision Support | — |
| 2016 Voting | 6.3 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 99.0000 |
| Healthy Places Index Score for Project Location (b) | 15.0000 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | Southwest Stockton |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Characteristics: Utility Information | Project specific information |
| Construction: Construction Phases | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Off-Road Equipment | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Paving | Estimated potential paved areas based on Google Earth measurements. |
| Operations: Fleet Mix | Data are for employee vehicles. Assumed that only LDA, LDT1, and LDT2 categories would be used. Fleet mix is based on EMFAC data for 2023 for these vehicle categories. |
| Operations: Energy Use | Baseline electricity consumption provided by NCC. |
| Operations: Off-Road Equipment | List of equipment provided by client. Estimated usage based on project/site information. |

## 8.2. Project Characteristics

### 8.2.1. Project Details

| Model Parameter | Default Value | New Value |
|---|---|---|
| Electric Utility | Western Area Power Administration | Pacific Gas & Electric Company |

## 8.5. Operations

### 8.5.3. Energy Usage

| Land Use | Model Parameter | Units | Default Value | New Value |
|---|---|---|---|---|
| General Heavy Industry | Electricity | kWh/yr | 4,937,720 | 3,600,000 |
| General Heavy Industry | Electricity (Subject to Title 24) | kWh/yr | 2,098,631 | 1,530,073 |

| | | | | |
|---|---|---|---|---|
| General Heavy Industry | Electricity (Not Subject to Title 24) | kWh/yr | 2,839,089 | 2,069,927 |

## 8.5.7. Off-Road Equipment

### 8.5.7.1. Off-Road Equipment

| Equipment Type | Model Parameter | Default Value | New Value |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Engine Tier | Average | Tier 4 Final |
| Tractors/Loaders/Backhoes | Hours/Day | 8.00000 | 21.0000 |
| Tractors/Loaders/Backhoes | Days/Year | 260.000 | 70.0000 |
| Tractors/Loaders/Backhoes | Horsepower | 84.0000 | 152.000 |
| Aerial Lifts | Engine Tier | Average | Tier 4 Final |
| Aerial Lifts | Horsepower | 46.0000 | 74.0000 |
| Sweepers/Scrubbers | Engine Tier | Average | Tier 4 Final |
| Off-Highway Tractors | Horsepower | 38.0000 | 376.000 |
| Other General Industrial Equipment | Hours/Day | 8.00000 | 9.00000 |
| Other General Industrial Equipment | Days/Year | 260.000 | 52.0000 |
| Other General Industrial Equipment | Horsepower | 35.0000 | 195.000 |
| Off-Highway Tractors | Number/Day | 1.000000 | 2.00000 |

# Port of Stockton - Nevada Cement_2031_with onsite mobile equipment Detailed Report

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8.5. Operations

8.5.7. Off-Road Equipment

8.5.7.1. Off-Road Equipment

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Port of Stockton - Nevada Cement_2031_with onsite mobile equipment |
| Operational Year | 2031 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40000 |
| Precipitation (days) | 0.40000 |
| Location | Port of Stockton, Stockton, CA 95203, USA |
| County | San Joaquin |
| City | Stockton |
| Air District | San Joaquin Valley APCD |
| Air Basin | San Joaquin Valley |
| TAZ | 2023 |
| EDFZ | 4 |
| Electric Utility | Pacific Gas & Electric Company |
| Gas Utility | Pacific Gas & Electric |
| App Version | 2022.1.1.43 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 478.000 | 1000sqft | 10.9734 | 478,000 | 0.00000 | 0.00000 | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

### 2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.4122 | 15.6968 | 13.4599 | 60.8157 | 0.09737 | 0.60456 | 0.84012 | 1.44467 | 0.58827 | 0.21243 | 0.80070 | 531.256 | 16,199.9 | 16,731.2 | 54.9541 | 0.64900 | 125.904 | 18,424.4 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 12.7033 | 12.2729 | 13.3106 | 39.3622 | 0.09539 | 0.56763 | 0.84012 | 1.40774 | 0.56036 | 0.21243 | 0.77279 | 531.256 | 16,039.3 | 16,570.5 | 54.9520 | 0.65063 | 124.464 | 18,262.7 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.0214 | 13.4872 | 10.2198 | 27.9704 | 0.06301 | 0.50509 | 0.83990 | 1.34499 | 0.49540 | 0.21238 | 0.70778 | 531.256 | 12,535.8 | 13,067.1 | 54.8063 | 0.62081 | 125.064 | 14,747.3 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.55891 | 2.46141 | 1.86511 | 5.10460 | 0.01150 | 0.09218 | 0.15328 | 0.24546 | 0.09041 | 0.03876 | 0.12917 | 87.9554 | 2,075.44 | 2,163.40 | 9.07381 | 0.10278 | 20.7058 | 2,441.58 |

### 2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.12851 | 0.11863 | 0.09148 | 2.51516 | 0.00746 | 0.00285 | 0.84012 | 0.84296 | 0.00262 | 0.21243 | 0.21505 | — | 754.167 | 754.167 | 0.01054 | 0.01244 | 1.47893 | 759.616 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 14.5382 | 14.2529 | 0.17493 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.15997 | 1.03249 | 7.87057 | 33.0398 | 0.05674 | 0.16024 | — | 0.16024 | 0.15320 | — | 0.15320 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Total | 16.4122 | 15.6968 | 13.4599 | 60.8157 | 0.09737 | 0.60456 | 0.84012 | 1.44467 | 0.58827 | 0.21243 | 0.80070 | 531.256 | 16,199.9 | 16,731.2 | 54.9541 | 0.64900 | 125.904 | 18,424.4 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.12145 | 0.11126 | 0.11711 | 1.85112 | 0.00671 | 0.00285 | 0.84012 | 0.84296 | 0.00262 | 0.21243 | 0.21505 | — | 678.982 | 678.982 | 0.01203 | 0.01480 | 0.03834 | 683.732 |
| Area | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.15997 | 1.03249 | 7.87057 | 33.0398 | 0.05674 | 0.16024 | — | 0.16024 | 0.15320 | — | 0.15320 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Total | 12.7033 | 12.2729 | 13.3106 | 39.3622 | 0.09539 | 0.56763 | 0.84012 | 1.40774 | 0.56036 | 0.21243 | 0.77279 | 531.256 | 16,039.3 | 16,570.5 | 54.9520 | 0.65063 | 124.464 | 18,262.7 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.12095 | 0.11101 | 0.10512 | 1.95410 | 0.00689 | 0.00285 | 0.83990 | 0.84274 | 0.00262 | 0.21238 | 0.21499 | — | 696.778 | 696.778 | 0.01127 | 0.01373 | 0.63858 | 701.789 |
| Area | 12.6619 | 12.5212 | 0.08627 | 10.2523 | 0.00061 | 0.01821 | — | 0.01821 | 0.01377 | — | 0.01377 | — | 42.1588 | 42.1588 | 0.00177 | 0.00036 | — | 42.3108 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,153.81 | 9,153.81 | 1.01548 | 0.06692 | — | 9,199.14 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 0.65302 | 0.56221 | 4.70548 | 11.2927 | 0.02357 | 0.07949 | — | 0.07949 | 0.07447 | — | 0.07447 | — | 2,441.66 | 2,441.66 | 0.09904 | 0.01981 | — | 2,450.04 |
| Total | 14.0214 | 13.4872 | 10.2198 | 27.9704 | 0.06301 | 0.50509 | 0.83990 | 1.34499 | 0.49540 | 0.21238 | 0.70778 | 531.256 | 12,535.8 | 13,067.1 | 54.8063 | 0.62081 | 125.064 | 14,747.3 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.02207 | 0.02026 | 0.01918 | 0.35662 | 0.00126 | 0.00052 | 0.15328 | 0.15380 | 0.00048 | 0.03876 | 0.03924 | — | 115.360 | 115.360 | 0.00187 | 0.00227 | 0.10572 | 116.189 |
| Area | 2.31080 | 2.28512 | 0.01574 | 1.87105 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Energy | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,515.52 | 1,515.52 | 0.16813 | 0.01108 | — | 1,523.02 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Off-Road | 0.11918 | 0.10260 | 0.85875 | 2.06092 | 0.00430 | 0.01451 | — | 0.01451 | 0.01359 | — | 0.01359 | — | 404.244 | 404.244 | 0.01640 | 0.00328 | — | 405.632 |
| Total | 2.55891 | 2.46141 | 1.86511 | 5.10460 | 0.01150 | 0.09218 | 0.15328 | 0.24546 | 0.09041 | 0.03876 | 0.12917 | 87.9554 | 2,075.44 | 2,163.40 | 9.07381 | 0.10278 | 20.7058 | 2,441.58 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 456.864 | 456.864 | 0.07391 | 0.00896 | — | 461.381 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 7.15263 | 7.15263 | 0.00116 | 0.00014 | — | 7.22336 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 464.016 | 464.016 | 0.07507 | 0.00910 | — | 468.605 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |
| Total | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.70183 | 3.41651 | 0.17493 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Total | 14.5382 | 14.2529 | 0.17493 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.86683 | 1.86683 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.11081 | 0.11081 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.33316 | 0.30749 | 0.01574 | 1.87105 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Total | 2.31080 | 2.28512 | 0.01574 | 1.87105 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.15869 | 0.13115 | 1.18282 | 1.59610 | 0.00268 | 0.01421 | — | 0.01421 | 0.01307 | — | 0.01307 | — | 207.479 | 207.479 | 0.00842 | 0.00168 | — | 208.191 |
| Air Compressors | 0.15390 | 0.12719 | 1.03587 | 1.47128 | 0.00230 | 0.01257 | — | 0.01257 | 0.01156 | — | 0.01156 | — | 178.024 | 178.024 | 0.00722 | 0.00144 | — | 178.634 |
| Off-Highway Tractors | 0.39457 | 0.33155 | 1.29443 | 3.08819 | 0.01422 | 0.04543 | — | 0.04543 | 0.04179 | — | 0.04179 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.931 | 694.931 | 0.02819 | 0.00564 | — | 697.316 |
| Skid Steer Loaders | 0.06396 | 0.05375 | 0.74970 | 1.50173 | 0.00226 | 0.01584 | — | 0.01584 | 0.01457 | — | 0.01457 | — | 245.108 | 245.108 | 0.00994 | 0.00199 | — | 245.949 |
| Total | 1.15997 | 1.03249 | 7.87057 | 33.0398 | 0.05674 | 0.16024 | — | 0.16024 | 0.15320 | — | 0.15320 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tractors/ | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.15869 | 0.13115 | 1.18282 | 1.59610 | 0.00268 | 0.01421 | — | 0.01421 | 0.01307 | — | 0.01307 | — | 207.479 | 207.479 | 0.00842 | 0.00168 | — | 208.191 |
| Air Compressors | 0.15390 | 0.12719 | 1.03587 | 1.47128 | 0.00230 | 0.01257 | — | 0.01257 | 0.01156 | — | 0.01156 | — | 178.024 | 178.024 | 0.00722 | 0.00144 | — | 178.634 |
| Off-Highway Tractors | 0.39457 | 0.33155 | 1.29443 | 3.08819 | 0.01422 | 0.04543 | — | 0.04543 | 0.04179 | — | 0.04179 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.931 | 694.931 | 0.02819 | 0.00564 | — | 697.316 |
| Skid Steer Loaders | 0.06396 | 0.05375 | 0.74970 | 1.50173 | 0.00226 | 0.01584 | — | 0.01584 | 0.01457 | — | 0.01457 | — | 245.108 | 245.108 | 0.00994 | 0.00199 | — | 245.949 |
| Total | 1.15997 | 1.03249 | 7.87057 | 33.0398 | 0.05674 | 0.16024 | — | 0.16024 | 0.15320 | — | 0.15320 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.00703 | 0.00703 | 0.03656 | 0.52023 | 0.00068 | 0.00141 | — | 0.00141 | 0.00141 | — | 0.00141 | — | 67.0757 | 67.0757 | 0.00272 | 0.00054 | — | 67.3059 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.00473 | 0.00473 | 0.14412 | 0.19461 | 0.00026 | 0.00053 | — | 0.00053 | 0.00053 | — | 0.00053 | — | 25.1885 | 25.1885 | 0.00102 | 0.00020 | — | 25.2749 |
| Sweepers/Scrubbers | 0.00342 | 0.00342 | 0.10441 | 0.15567 | 0.00021 | 0.00038 | — | 0.00038 | 0.00038 | — | 0.00038 | — | 20.2146 | 20.2146 | 0.00082 | 0.00016 | — | 20.2840 |
| Welders | 0.02063 | 0.01705 | 0.15377 | 0.20749 | 0.00035 | 0.00185 | — | 0.00185 | 0.00170 | — | 0.00170 | — | 24.4689 | 24.4689 | 0.00099 | 0.00020 | — | 24.5529 |
| Air Compressors | 0.02001 | 0.01653 | 0.13466 | 0.19127 | 0.00030 | 0.00163 | — | 0.00163 | 0.00150 | — | 0.00150 | — | 20.9951 | 20.9951 | 0.00085 | 0.00017 | — | 21.0671 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-High Tractors | 0.05129 | 0.04310 | 0.16828 | 0.40146 | 0.00185 | 0.00591 | — | 0.00591 | 0.00543 | — | 0.00543 | — | 181.460 | 181.460 | 0.00736 | 0.00147 | — | 182.083 |
| Other General Industrial Equipment | 0.00375 | 0.00375 | 0.01950 | 0.19496 | 0.00037 | 0.00075 | — | 0.00075 | 0.00075 | — | 0.00075 | — | 35.9346 | 35.9346 | 0.00146 | 0.00029 | — | 36.0579 |
| Skid Steer Loaders | 0.00832 | 0.00699 | 0.09746 | 0.19522 | 0.00029 | 0.00206 | — | 0.00206 | 0.00189 | — | 0.00189 | — | 28.9066 | 28.9066 | 0.00117 | 0.00023 | — | 29.0058 |
| Total | 0.11918 | 0.10260 | 0.85875 | 2.06092 | 0.00430 | 0.01451 | — | 0.01451 | 0.01359 | — | 0.01359 | — | 404.244 | 404.244 | 0.01640 | 0.00328 | — | 405.632 |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipm Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 60.0000 | 60.0000 | 60.0000 | 21,900.0 | 1,200.00 | 1,200.00 | 1,200.00 | 438,000 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

| Land Use | Hearth Type | Unmitigated (number) | Mitigated (number) |
|---|---|---|---|
| General Heavy Industry | Wood Fireplaces | 0 | 0 |
| General Heavy Industry | Gas Fireplaces | 0 | 0 |
| General Heavy Industry | Propane Fireplaces | 0 | 0 |
| General Heavy Industry | Electric Fireplaces | 0 | 0 |
| General Heavy Industry | No Fireplaces | 0 | 0 |
| General Heavy Industry | Conventional Wood Stoves | 0 | 0 |
| General Heavy Industry | Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Non-Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Pellet Wood Stoves | 0 | 0 |

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0.00000 | 0.00000 | 717,000 | 239,000 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00000 |
| Summer Days | day/yr | 180.000 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| General Heavy Industry | 4,937,720 | 203.983 | 0.0330 | 0.0040 | 19,817,215 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Heavy Industry | 110,537,500 | 0.00000 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Heavy Industry | 592.720 | 0.00000 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088.00 | 0.30000 | 4.00000 | 4.00000 | 18.0000 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00000 | 21.0000 | 152.000 | 0.37000 |
| Forklifts | Electric | Average | 1.000000 | 8.00000 | 82.0000 | 0.20000 |
| Aerial Lifts | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 74.0000 | 0.31000 |
| Sweepers/Scrubbers | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 36.0000 | 0.46000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Welders | Diesel | Average | 1.000000 | 8.00000 | 46.0000 | 0.45000 |
| Air Compressors | Diesel | Average | 1.000000 | 8.00000 | 37.0000 | 0.48000 |
| Off-Highway Tractors | Diesel | Average | 1.000000 | 8.00000 | 376.000 | 0.44000 |
| Other General Industrial Equipment | Diesel | Tier 4 Final | 1.000000 | 9.00000 | 195.000 | 0.34000 |
| Off-Highway Tractors | Electric | Average | 2.00000 | 8.00000 | 38.0000 | 0.44000 |
| Skid Steer Loaders | Diesel | Average | 1.000000 | 8.00000 | 71.0000 | 0.37000 |

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

### 5.16.2. Process Boilers

## 5.17. User Defined

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.2300 | annual days of extreme heat |
| Extreme Precipitation | 2.40000 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 4.10000 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Flooding | 0 | 0 | 0 | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 1 | 1 | 1 | 2 |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 46.9944 |
| AQ-PM | 58.3323 |
| AQ-DPM | 91.2134 |
| Drinking Water | 41.5511 |
| Lead Risk Housing | 52.1739 |
| Pesticides | 69.9310 |
| Toxic Releases | 83.2458 |
| Traffic | 62.8750 |
| Effect Indicators | — |
| CleanUp Sites | 89.7910 |
| Groundwater | 96.6462 |
| Haz Waste Facilities/Generators | 77.1013 |
| Impaired Water Bodies | 98.7190 |
| Solid Waste | 84.7423 |
| Sensitive Population | — |
| Asthma | 95.5882 |
| Cardio-vascular | 88.5219 |
| Low Birth Weights | 81.8835 |
| Socioeconomic Factor Indicators | — |
| Education | 86.9527 |
| Housing | 58.7706 |
| Linguistic | 71.3899 |
| Poverty | 84.1206 |
| Unemployment | 52.5247 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 14.26921596 |
| Employed | 8.417810856 |
| Median HI | 24.08571795 |
| Education | — |
| Bachelor's or higher | 5.671756705 |
| High school enrollment | 24.5989991 |
| Preschool enrollment | 42.2302066 |
| Transportation | — |
| Auto Access | 48.80020531 |
| Active commuting | 7.86603362 |
| Social | — |
| 2-parent households | 40.11292185 |
| Voting | 24.1498781 |
| Neighborhood | — |
| Alcohol availability | 76.45322726 |
| Park access | 33.78673168 |
| Retail density | 31.23315796 |
| Supermarket access | 7.096111895 |
| Tree canopy | 64.82740921 |
| Housing | — |
| Homeownership | 41.92223791 |
| Housing habitability | 25.72821763 |
| Low-inc homeowner severe housing cost burden | 57.60297703 |
| Low-inc renter severe housing cost burden | 11.04837675 |

| | |
|---|---|
| Uncrowded housing | 14.25638393 |
| Health Outcomes | — |
| Insured adults | 19.59450789 |
| Arthritis | 36.0 |
| Asthma ER Admissions | 1.7 |
| High Blood Pressure | 8.6 |
| Cancer (excluding skin) | 82.6 |
| Asthma | 14.8 |
| Coronary Heart Disease | 37.1 |
| Chronic Obstructive Pulmonary Disease | 17.9 |
| Diagnosed Diabetes | 13.1 |
| Life Expectancy at Birth | 7.6 |
| Cognitively Disabled | 68.5 |
| Physically  Disabled | 36.0 |
| Heart Attack ER Admissions | 2.8 |
| Mental Health Not Good | 13.3 |
| Chronic Kidney Disease | 20.1 |
| Obesity | 13.0 |
| Pedestrian Injuries | 81.6 |
| Physical Health Not Good | 13.4 |
| Stroke | 17.3 |
| Health Risk Behaviors | — |
| Binge Drinking | 90.4 |
| Current Smoker | 10.2 |
| No Leisure Time for Physical Activity | 4.3 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 8.5 |
| Elderly | 90.4 |
| English Speaking | 23.9 |
| Foreign-born | 75.6 |
| Outdoor Workers | 5.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.8 |
| Traffic Density | 78.2 |
| Traffic Access | 0.0 |
| Other Indices | — |
| Hardship | 91.5 |
| Other Decision Support | — |
| 2016 Voting | 6.3 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 99.0000 |
| Healthy Places Index Score for Project Location (b) | 15.0000 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | Southwest Stockton |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Characteristics: Utility Information | Project specific information |
| Construction: Construction Phases | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Off-Road Equipment | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Paving | Estimated potential paved areas based on Google Earth measurements. |
| Operations: Fleet Mix | Data are for employee vehicles. Assumed that only LDA, LDT1, and LDT2 categories would be used. Fleet mix is based on EMFAC data for 2023 for these vehicle categories. |
| Operations: Off-Road Equipment | List of equipment provided by client. Estimated usage based on project/site information. |

## 8.2. Project Characteristics

### 8.2.1. Project Details

| Model Parameter | Default Value | New Value |
|---|---|---|
| Electric Utility | Western Area Power Administration | Pacific Gas & Electric Company |

## 8.5. Operations

### 8.5.7. Off-Road Equipment

#### 8.5.7.1. Off-Road Equipment

| Equipment Type | Model Parameter | Default Value | New Value |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Engine Tier | Average | Tier 4 Final |
| Tractors/Loaders/Backhoes | Hours/Day | 8.00000 | 21.0000 |

| | | | |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Days/Year | 260.000 | 54.0000 |
| Tractors/Loaders/Backhoes | Horsepower | 84.0000 | 152.000 |
| Forklifts | Fuel Type | Diesel | Electric |
| Aerial Lifts | Engine Tier | Average | Tier 4 Final |
| Aerial Lifts | Horsepower | 46.0000 | 74.0000 |
| Sweepers/Scrubbers | Engine Tier | Average | Tier 4 Final |
| Off-Highway Tractors | Horsepower | 38.0000 | 376.000 |
| Other General Industrial Equipment | Hours/Day | 8.00000 | 9.00000 |
| Other General Industrial Equipment | Days/Year | 260.000 | 114.000 |
| Other General Industrial Equipment | Horsepower | 35.0000 | 195.000 |
| Off-Highway Tractors | Fuel Type | Diesel | Electric |
| Off-Highway Tractors | Number/Day | 1.000000 | 2.00000 |

# Port of Stockton - Nevada Cement_2036_with onsite mobile equipment Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Port of Stockton - Nevada Cement_2036_with onsite mobile equipment |
| Operational Year | 2036 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40000 |
| Precipitation (days) | 0.40000 |
| Location | Port of Stockton, Stockton, CA 95203, USA |
| County | San Joaquin |
| City | Stockton |
| Air District | San Joaquin Valley APCD |
| Air Basin | San Joaquin Valley |
| TAZ | 2023 |
| EDFZ | 4 |
| Electric Utility | Pacific Gas & Electric Company |
| Gas Utility | Pacific Gas & Electric |
| App Version | 2022.1.1.43 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 478.000 | 1000sqft | 10.9734 | 478,000 | 0.00000 | 0.00000 | — | — |

## 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

## 2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.3703 | 15.6636 | 13.0134 | 61.1869 | 0.09907 | 0.57912 | 1.09253 | 1.67166 | 0.56487 | 0.27629 | 0.84117 | 531.256 | 16,370.8 | 16,902.0 | 54.9545 | 0.65111 | 125.225 | 18,595.1 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 12.6624 | 12.2407 | 12.8652 | 39.6086 | 0.09692 | 0.54220 | 1.09253 | 1.63473 | 0.53696 | 0.27629 | 0.81325 | 531.256 | 16,193.1 | 16,724.4 | 54.9524 | 0.65313 | 124.446 | 18,417.3 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.0281 | 13.5002 | 10.0746 | 30.5683 | 0.06777 | 0.49351 | 1.09225 | 1.58576 | 0.48528 | 0.27622 | 0.76150 | 531.256 | 13,039.6 | 13,570.9 | 54.8208 | 0.62594 | 124.771 | 15,252.7 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.56013 | 2.46378 | 1.83862 | 5.57871 | 0.01237 | 0.09007 | 0.19934 | 0.28940 | 0.08856 | 0.05041 | 0.13897 | 87.9554 | 2,158.85 | 2,246.81 | 9.07621 | 0.10363 | 20.6572 | 2,525.25 |

## 2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.13732 | 0.12772 | 0.09640 | 2.90773 | 0.00914 | 0.00273 | 1.09253 | 1.09526 | 0.00251 | 0.27629 | 0.27880 | — | 924.977 | 924.977 | 0.01096 | 0.01455 | 0.79927 | 930.385 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 14.5389 | 14.2535 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.10858 | 0.98958 | 7.41913 | 33.0184 | 0.05674 | 0.13493 | — | 0.13493 | 0.12991 | — | 0.12991 | — | 5,987.65 | 5,987.65 | 0.24289 | 0.04858 | — | 6,008.20 |
| Total | 16.3703 | 15.6636 | 13.0134 | 61.1869 | 0.09907 | 0.57912 | 1.09253 | 1.67166 | 0.56487 | 0.27629 | 0.84117 | 531.256 | 16,370.8 | 16,902.0 | 54.9545 | 0.65111 | 125.225 | 18,595.1 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.13190 | 0.12198 | 0.12320 | 2.11899 | 0.00823 | 0.00273 | 1.09253 | 1.09526 | 0.00251 | 0.27629 | 0.27880 | — | 832.844 | 832.844 | 0.01250 | 0.01730 | 0.02072 | 838.334 |
| Area | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.10858 | 0.98958 | 7.41913 | 33.0184 | 0.05674 | 0.13493 | — | 0.13493 | 0.12991 | — | 0.12991 | — | 5,987.65 | 5,987.65 | 0.24289 | 0.04858 | — | 6,008.20 |
| Total | 12.6624 | 12.2407 | 12.8652 | 39.6086 | 0.09692 | 0.54220 | 1.09253 | 1.63473 | 0.53696 | 0.27629 | 0.81325 | 531.256 | 16,193.1 | 16,724.4 | 54.9524 | 0.65313 | 124.446 | 18,417.3 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.13103 | 0.12135 | 0.11062 | 2.24614 | 0.00845 | 0.00273 | 1.09225 | 1.09498 | 0.00251 | 0.27622 | 0.27873 | — | 854.662 | 854.662 | 0.01172 | 0.01605 | 0.34511 | 860.083 |
| Area | 12.6623 | 12.5215 | 0.08627 | 10.2524 | 0.00061 | 0.01821 | — | 0.01821 | 0.01377 | — | 0.01377 | — | 42.1588 | 42.1588 | 0.00177 | 0.00036 | — | 42.3108 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,153.81 | 9,153.81 | 1.01548 | 0.06692 | — | 9,199.14 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 0.64928 | 0.56451 | 4.55481 | 13.5985 | 0.02677 | 0.06803 | — | 0.06803 | 0.06446 | — | 0.06446 | — | 2,787.58 | 2,787.58 | 0.11308 | 0.02262 | — | 2,797.14 |
| Total | 14.0281 | 13.5002 | 10.0746 | 30.5683 | 0.06777 | 0.49351 | 1.09225 | 1.58576 | 0.48528 | 0.27622 | 0.76150 | 531.256 | 13,039.6 | 13,570.9 | 54.8208 | 0.62594 | 124.771 | 15,252.7 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.02391 | 0.02215 | 0.02019 | 0.40992 | 0.00154 | 0.00050 | 0.19934 | 0.19983 | 0.00046 | 0.05041 | 0.05087 | — | 141.499 | 141.499 | 0.00194 | 0.00266 | 0.05714 | 142.396 |
| Area | 2.31086 | 2.28518 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Energy | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,515.52 | 1,515.52 | 0.16813 | 0.01108 | — | 1,523.02 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Off-Road | 0.11849 | 0.10302 | 0.83125 | 2.48173 | 0.00489 | 0.01242 | — | 0.01242 | 0.01176 | — | 0.01176 | — | 461.515 | 461.515 | 0.01872 | 0.00374 | — | 463.099 |
| Total | 2.56013 | 2.46378 | 1.83862 | 5.57871 | 0.01237 | 0.09007 | 0.19934 | 0.28940 | 0.08856 | 0.05041 | 0.13897 | 87.9554 | 2,158.85 | 2,246.81 | 9.07621 | 0.10363 | 20.6572 | 2,525.25 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 456.864 | 456.864 | 0.07391 | 0.00896 | — | 461.381 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 7.15263 | 7.15263 | 0.00116 | 0.00014 | — | 7.22336 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 464.016 | 464.016 | 0.07507 | 0.00910 | — | 468.605 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |
| Total | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.70251 | 3.41717 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Total | 14.5389 | 14.2535 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.86683 | 1.86683 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.11081 | 0.11081 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.33323 | 0.30755 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Total | 2.31086 | 2.28518 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.14782 | 0.12216 | 1.14364 | 1.58727 | 0.00268 | 0.00737 | — | 0.00737 | 0.00678 | — | 0.00678 | — | 207.482 | 207.482 | 0.00842 | 0.00168 | — | 208.194 |
| Air Compressors | 0.14444 | 0.11937 | 1.00213 | 1.46294 | 0.00230 | 0.00670 | — | 0.00670 | 0.00616 | — | 0.00616 | — | 178.034 | 178.034 | 0.00722 | 0.00144 | — | 178.645 |
| Off-Highway Tractors | 0.37021 | 0.31108 | 0.97195 | 3.08717 | 0.01422 | 0.03827 | — | 0.03827 | 0.03521 | — | 0.03521 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.930 | 694.930 | 0.02819 | 0.00564 | — | 697.315 |
| Skid Steer Loaders | 0.05727 | 0.04813 | 0.69367 | 1.49849 | 0.00226 | 0.01040 | — | 0.01040 | 0.00956 | — | 0.00956 | — | 245.104 | 245.104 | 0.00994 | 0.00199 | — | 245.945 |
| Total | 1.10858 | 0.98958 | 7.41913 | 33.0184 | 0.05674 | 0.13493 | — | 0.13493 | 0.12991 | — | 0.12991 | — | 5,987.65 | 5,987.65 | 0.24289 | 0.04858 | — | 6,008.20 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tractors/ | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.14782 | 0.12216 | 1.14364 | 1.58727 | 0.00268 | 0.00737 | — | 0.00737 | 0.00678 | — | 0.00678 | — | 207.482 | 207.482 | 0.00842 | 0.00168 | — | 208.194 |
| Air Compressors | 0.14444 | 0.11937 | 1.00213 | 1.46294 | 0.00230 | 0.00670 | — | 0.00670 | 0.00616 | — | 0.00616 | — | 178.034 | 178.034 | 0.00722 | 0.00144 | — | 178.645 |
| Off-Highway Tractors | 0.37021 | 0.31108 | 0.97195 | 3.08717 | 0.01422 | 0.03827 | — | 0.03827 | 0.03521 | — | 0.03521 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.930 | 694.930 | 0.02819 | 0.00564 | — | 697.315 |
| Skid Steer Loaders | 0.05727 | 0.04813 | 0.69367 | 1.49849 | 0.00226 | 0.01040 | — | 0.01040 | 0.00956 | — | 0.00956 | — | 245.104 | 245.104 | 0.00994 | 0.00199 | — | 245.945 |
| Total | 1.10858 | 0.98958 | 7.41913 | 33.0184 | 0.05674 | 0.13493 | — | 0.13493 | 0.12991 | — | 0.12991 | — | 5,987.65 | 5,987.65 | 0.24289 | 0.04858 | — | 6,008.20 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.01211 | 0.01211 | 0.06296 | 0.89595 | 0.00118 | 0.00242 | — | 0.00242 | 0.00242 | — | 0.00242 | — | 115.519 | 115.519 | 0.00469 | 0.00094 | — | 115.916 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.00473 | 0.00473 | 0.14412 | 0.19461 | 0.00026 | 0.00053 | — | 0.00053 | 0.00053 | — | 0.00053 | — | 25.1885 | 25.1885 | 0.00102 | 0.00020 | — | 25.2749 |
| Sweepers/Scrubbers | 0.00342 | 0.00342 | 0.10441 | 0.15567 | 0.00021 | 0.00038 | — | 0.00038 | 0.00038 | — | 0.00038 | — | 20.2146 | 20.2146 | 0.00082 | 0.00016 | — | 20.2840 |
| Welders | 0.01922 | 0.01588 | 0.14867 | 0.20634 | 0.00035 | 0.00096 | — | 0.00096 | 0.00088 | — | 0.00088 | — | 24.4692 | 24.4692 | 0.00099 | 0.00020 | — | 24.5531 |
| Air Compressors | 0.01878 | 0.01552 | 0.13028 | 0.19018 | 0.00030 | 0.00087 | — | 0.00087 | 0.00080 | — | 0.00080 | — | 20.9963 | 20.9963 | 0.00085 | 0.00017 | — | 21.0683 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-High Tractors | 0.04813 | 0.04044 | 0.12635 | 0.40133 | 0.00185 | 0.00497 | — | 0.00497 | 0.00458 | — | 0.00458 | — | 181.460 | 181.460 | 0.00736 | 0.00147 | — | 182.083 |
| Other General Industrial Equipment | 0.00467 | 0.00467 | 0.02428 | 0.24284 | 0.00046 | 0.00093 | — | 0.00093 | 0.00093 | — | 0.00093 | — | 44.7606 | 44.7606 | 0.00182 | 0.00036 | — | 44.9142 |
| Skid Steer Loaders | 0.00745 | 0.00626 | 0.09018 | 0.19480 | 0.00029 | 0.00135 | — | 0.00135 | 0.00124 | — | 0.00124 | — | 28.9062 | 28.9062 | 0.00117 | 0.00023 | — | 29.0054 |
| Total | 0.11849 | 0.10302 | 0.83125 | 2.48173 | 0.00489 | 0.01242 | — | 0.01242 | 0.01176 | — | 0.01176 | — | 461.515 | 461.515 | 0.01872 | 0.00374 | — | 463.099 |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipm Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 78.0000 | 78.0000 | 78.0000 | 28,470.0 | 1,560.00 | 1,560.00 | 1,560.00 | 569,400 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

| Land Use | Hearth Type | Unmitigated (number) | Mitigated (number) |
|---|---|---|---|
| General Heavy Industry | Wood Fireplaces | 0 | 0 |
| General Heavy Industry | Gas Fireplaces | 0 | 0 |
| General Heavy Industry | Propane Fireplaces | 0 | 0 |
| General Heavy Industry | Electric Fireplaces | 0 | 0 |
| General Heavy Industry | No Fireplaces | 0 | 0 |
| General Heavy Industry | Conventional Wood Stoves | 0 | 0 |
| General Heavy Industry | Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Non-Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Pellet Wood Stoves | 0 | 0 |

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0.00000 | 0.00000 | 717,000 | 239,000 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00000 |
| Summer Days | day/yr | 180.000 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| General Heavy Industry | 4,937,720 | 203.983 | 0.0330 | 0.0040 | 19,817,215 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Heavy Industry | 110,537,500 | 0.00000 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Heavy Industry | 592.720 | 0.00000 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088.00 | 0.30000 | 4.00000 | 4.00000 | 18.0000 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00000 | 21.0000 | 152.000 | 0.37000 |
| Forklifts | Electric | Average | 1.000000 | 8.00000 | 82.0000 | 0.20000 |
| Aerial Lifts | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 74.0000 | 0.31000 |
| Sweepers/Scrubbers | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 36.0000 | 0.46000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Welders | Diesel | Average | 1.000000 | 8.00000 | 46.0000 | 0.45000 |
| Air Compressors | Diesel | Average | 1.000000 | 8.00000 | 37.0000 | 0.48000 |
| Off-Highway Tractors | Diesel | Average | 1.000000 | 8.00000 | 376.000 | 0.44000 |
| Other General Industrial Equipment | Diesel | Tier 4 Final | 1.000000 | 9.00000 | 195.000 | 0.34000 |
| Off-Highway Tractors | Electric | Average | 2.00000 | 8.00000 | 38.0000 | 0.44000 |
| Skid Steer Loaders | Diesel | Average | 1.000000 | 8.00000 | 71.0000 | 0.37000 |

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

### 5.16.2. Process Boilers

## 5.17. User Defined

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.2300 | annual days of extreme heat |
| Extreme Precipitation | 2.40000 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 4.10000 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Flooding | 0 | 0 | 0 | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 1 | 1 | 1 | 2 |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 46.9944 |
| AQ-PM | 58.3323 |
| AQ-DPM | 91.2134 |
| Drinking Water | 41.5511 |
| Lead Risk Housing | 52.1739 |
| Pesticides | 69.9310 |
| Toxic Releases | 83.2458 |
| Traffic | 62.8750 |
| Effect Indicators | — |
| CleanUp Sites | 89.7910 |
| Groundwater | 96.6462 |
| Haz Waste Facilities/Generators | 77.1013 |
| Impaired Water Bodies | 98.7190 |
| Solid Waste | 84.7423 |
| Sensitive Population | — |
| Asthma | 95.5882 |
| Cardio-vascular | 88.5219 |
| Low Birth Weights | 81.8835 |
| Socioeconomic Factor Indicators | — |
| Education | 86.9527 |
| Housing | 58.7706 |
| Linguistic | 71.3899 |
| Poverty | 84.1206 |
| Unemployment | 52.5247 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 14.26921596 |
| Employed | 8.417810856 |
| Median HI | 24.08571795 |
| Education | — |
| Bachelor's or higher | 5.671756705 |
| High school enrollment | 24.5989991 |
| Preschool enrollment | 42.2302066 |
| Transportation | — |
| Auto Access | 48.80020531 |
| Active commuting | 7.86603362 |
| Social | — |
| 2-parent households | 40.11292185 |
| Voting | 24.1498781 |
| Neighborhood | — |
| Alcohol availability | 76.45322726 |
| Park access | 33.78673168 |
| Retail density | 31.23315796 |
| Supermarket access | 7.096111895 |
| Tree canopy | 64.82740921 |
| Housing | — |
| Homeownership | 41.92223791 |
| Housing habitability | 25.72821763 |
| Low-inc homeowner severe housing cost burden | 57.60297703 |
| Low-inc renter severe housing cost burden | 11.04837675 |

| | |
|---|---|
| Uncrowded housing | 14.25638393 |
| Health Outcomes | — |
| Insured adults | 19.59450789 |
| Arthritis | 36.0 |
| Asthma ER Admissions | 1.7 |
| High Blood Pressure | 8.6 |
| Cancer (excluding skin) | 82.6 |
| Asthma | 14.8 |
| Coronary Heart Disease | 37.1 |
| Chronic Obstructive Pulmonary Disease | 17.9 |
| Diagnosed Diabetes | 13.1 |
| Life Expectancy at Birth | 7.6 |
| Cognitively Disabled | 68.5 |
| Physically  Disabled | 36.0 |
| Heart Attack ER Admissions | 2.8 |
| Mental Health Not Good | 13.3 |
| Chronic Kidney Disease | 20.1 |
| Obesity | 13.0 |
| Pedestrian Injuries | 81.6 |
| Physical Health Not Good | 13.4 |
| Stroke | 17.3 |
| Health Risk Behaviors | — |
| Binge Drinking | 90.4 |
| Current Smoker | 10.2 |
| No Leisure Time for Physical Activity | 4.3 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 8.5 |
| Elderly | 90.4 |
| English Speaking | 23.9 |
| Foreign-born | 75.6 |
| Outdoor Workers | 5.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.8 |
| Traffic Density | 78.2 |
| Traffic Access | 0.0 |
| Other Indices | — |
| Hardship | 91.5 |
| Other Decision Support | — |
| 2016 Voting | 6.3 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 99.0000 |
| Healthy Places Index Score for Project Location (b) | 15.0000 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | Southwest Stockton |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Characteristics: Utility Information | Project specific information |
| Construction: Construction Phases | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Off-Road Equipment | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Paving | Estimated potential paved areas based on Google Earth measurements. |
| Operations: Fleet Mix | Data are for employee vehicles. Assumed that only LDA, LDT1, and LDT2 categories would be used. Fleet mix is based on EMFAC data for 2023 for these vehicle categories. |
| Operations: Off-Road Equipment | List of equipment provided by client. Estimated usage based on project/site information. |

## 8.2. Project Characteristics

### 8.2.1. Project Details

| Model Parameter | Default Value | New Value |
|---|---|---|
| Electric Utility | Western Area Power Administration | Pacific Gas & Electric Company |

## 8.5. Operations

### 8.5.7. Off-Road Equipment

#### 8.5.7.1. Off-Road Equipment

| Equipment Type | Model Parameter | Default Value | New Value |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Engine Tier | Average | Tier 4 Final |
| Tractors/Loaders/Backhoes | Hours/Day | 8.00000 | 21.0000 |

| | | | |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Days/Year | 260.000 | 93.0000 |
| Tractors/Loaders/Backhoes | Horsepower | 84.0000 | 152.000 |
| Forklifts | Fuel Type | Diesel | Electric |
| Aerial Lifts | Engine Tier | Average | Tier 4 Final |
| Aerial Lifts | Horsepower | 46.0000 | 74.0000 |
| Sweepers/Scrubbers | Engine Tier | Average | Tier 4 Final |
| Off-Highway Tractors | Horsepower | 38.0000 | 376.000 |
| Other General Industrial Equipment | Hours/Day | 8.00000 | 9.00000 |
| Other General Industrial Equipment | Days/Year | 260.000 | 142.000 |
| Other General Industrial Equipment | Horsepower | 35.0000 | 195.000 |
| Off-Highway Tractors | Fuel Type | Diesel | Electric |
| Off-Highway Tractors | Number/Day | 1.000000 | 2.00000 |

# Port of Stockton - Nevada Cement_2046_with onsite mobile equipment Detailed Report

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5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.2. Project Characteristics

8.2.1. Project Details

8.5. Operations

8.5.7. Off-Road Equipment

8.5.7.1. Off-Road Equipment

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | Port of Stockton - Nevada Cement_2046_with onsite mobile equipment |
| Operational Year | 2046 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40000 |
| Precipitation (days) | 0.40000 |
| Location | Port of Stockton, Stockton, CA 95203, USA |
| County | San Joaquin |
| City | Stockton |
| Air District | San Joaquin Valley APCD |
| Air Basin | San Joaquin Valley |
| TAZ | 2023 |
| EDFZ | 4 |
| Electric Utility | Pacific Gas & Electric Company |
| Gas Utility | Pacific Gas & Electric |
| App Version | 2022.1.1.43 |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 478.000 | 1000sqft | 10.9734 | 478,000 | 0.00000 | 0.00000 | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

### 2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.3479 | 15.6445 | 12.8396 | 61.4796 | 0.10067 | 0.56538 | 1.34488 | 1.91026 | 0.55223 | 0.34013 | 0.89236 | 531.256 | 16,532.2 | 17,063.5 | 54.9543 | 0.65306 | 124.542 | 18,756.5 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 12.6426 | 12.2243 | 12.6923 | 39.7668 | 0.09835 | 0.52845 | 1.34488 | 1.87333 | 0.52432 | 0.34013 | 0.86445 | 531.256 | 16,338.3 | 16,869.6 | 54.9522 | 0.65545 | 124.429 | 18,563.1 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.0733 | 13.5480 | 10.2683 | 34.9789 | 0.07515 | 0.49576 | 1.34453 | 1.84029 | 0.48832 | 0.34004 | 0.82836 | 531.256 | 13,828.5 | 14,359.8 | 54.8465 | 0.63328 | 124.476 | 16,044.1 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.56837 | 2.47251 | 1.87396 | 6.38364 | 0.01372 | 0.09048 | 0.24538 | 0.33585 | 0.08912 | 0.06206 | 0.15118 | 87.9554 | 2,289.47 | 2,377.43 | 9.08047 | 0.10485 | 20.6084 | 2,656.29 |

### 2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.13058 | 0.12177 | 0.09992 | 3.29793 | 0.01074 | 0.00232 | 1.34488 | 1.34719 | 0.00213 | 0.34013 | 0.34226 | — | 1,086.43 | 1,086.43 | 0.01079 | 0.01650 | 0.11644 | 1,091.73 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 14.5389 | 14.2536 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.09286 | 0.97640 | 7.24185 | 32.9209 | 0.05675 | 0.12160 | — | 0.12160 | 0.11764 | — | 0.11764 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Total | 16.3479 | 15.6445 | 12.8396 | 61.4796 | 0.10067 | 0.56538 | 1.34488 | 1.91026 | 0.55223 | 0.34013 | 0.89236 | 531.256 | 16,532.2 | 17,063.5 | 54.9543 | 0.65306 | 124.542 | 18,756.5 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.12784 | 0.11877 | 0.12754 | 2.37462 | 0.00967 | 0.00232 | 1.34488 | 1.34719 | 0.00213 | 0.34013 | 0.34226 | — | 978.036 | 978.036 | 0.01223 | 0.01962 | 0.00302 | 984.193 |
| Area | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,171.26 | 9,171.26 | 1.01831 | 0.06726 | — | 9,216.76 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 1.09286 | 0.97640 | 7.24185 | 32.9209 | 0.05675 | 0.12160 | — | 0.12160 | 0.11764 | — | 0.11764 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Total | 12.6426 | 12.2243 | 12.6923 | 39.7668 | 0.09835 | 0.52845 | 1.34488 | 1.87333 | 0.52432 | 0.34013 | 0.86445 | 531.256 | 16,338.3 | 16,869.6 | 54.9522 | 0.65545 | 124.429 | 18,563.1 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.12662 | 0.11776 | 0.11454 | 2.52993 | 0.00992 | 0.00232 | 1.34453 | 1.34685 | 0.00213 | 0.34004 | 0.34217 | — | 1,003.74 | 1,003.74 | 0.01149 | 0.01820 | 0.05028 | 1,009.50 |
| Area | 12.6623 | 12.5216 | 0.08627 | 10.2524 | 0.00061 | 0.01821 | — | 0.01821 | 0.01377 | — | 0.01377 | — | 42.1588 | 42.1588 | 0.00177 | 0.00036 | — | 42.3108 |
| Energy | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 9,153.81 | 9,153.81 | 1.01548 | 0.06692 | — | 9,199.14 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Off-Road | 0.69886 | 0.61590 | 4.74457 | 17.7253 | 0.03268 | 0.07069 | — | 0.07069 | 0.06788 | — | 0.06788 | — | 3,427.44 | 3,427.44 | 0.13903 | 0.02781 | — | 3,439.20 |
| Total | 14.0733 | 13.5480 | 10.2683 | 34.9789 | 0.07515 | 0.49576 | 1.34453 | 1.84029 | 0.48832 | 0.34004 | 0.82836 | 531.256 | 13,828.5 | 14,359.8 | 54.8465 | 0.63328 | 124.476 | 16,044.1 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.02311 | 0.02149 | 0.02090 | 0.46171 | 0.00181 | 0.00042 | 0.24538 | 0.24580 | 0.00039 | 0.06206 | 0.06245 | — | 166.180 | 166.180 | 0.00190 | 0.00301 | 0.00832 | 167.134 |
| Area | 2.31087 | 2.28519 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Energy | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,515.52 | 1,515.52 | 0.16813 | 0.01108 | — | 1,523.02 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Off-Road | 0.12754 | 0.11240 | 0.86588 | 3.23487 | 0.00596 | 0.01290 | — | 0.01290 | 0.01239 | — | 0.01239 | — | 567.452 | 567.452 | 0.02302 | 0.00460 | — | 569.399 |
| Total | 2.56837 | 2.47251 | 1.87396 | 6.38364 | 0.01372 | 0.09048 | 0.24538 | 0.33585 | 0.08912 | 0.06206 | 0.15118 | 87.9554 | 2,289.47 | 2,377.43 | 9.08047 | 0.10485 | 20.6084 | 2,656.29 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 2,759.48 | 2,759.48 | 0.44642 | 0.05411 | — | 2,786.77 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 60.6493 | 60.6493 | 0.00981 | 0.00119 | — | 61.2491 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,820.13 | 2,820.13 | 0.45624 | 0.05530 | — | 2,848.02 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 456.864 | 456.864 | 0.07391 | 0.00896 | — | 461.381 |
| undefined | — | — | — | — | — | — | — | — | — | — | — | — | 7.15263 | 7.15263 | 0.00116 | 0.00014 | — | 7.22336 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 464.016 | 464.016 | 0.07507 | 0.00910 | — | 468.605 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Total | 0.58552 | 0.29276 | 5.32292 | 4.47125 | 0.03194 | 0.40454 | — | 0.40454 | 0.40454 | — | 0.40454 | — | 6,351.13 | 6,351.13 | 0.56207 | 0.01196 | — | 6,368.74 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |
| Total | 0.10686 | 0.05343 | 0.97143 | 0.81600 | 0.00583 | 0.07383 | — | 0.07383 | 0.07383 | — | 0.07383 | — | 1,051.50 | 1,051.50 | 0.09306 | 0.00198 | — | 1,054.42 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.70254 | 3.41721 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Total | 14.5389 | 14.2536 | 0.17494 | 20.7895 | 0.00124 | 0.03693 | — | 0.03693 | 0.02791 | — | 0.02791 | — | 85.4887 | 85.4887 | 0.00359 | 0.00073 | — | 85.7969 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 10.2292 | 10.2292 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.60717 | 0.60717 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 10.8364 | 10.8364 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.86683 | 1.86683 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.11081 | 0.11081 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.33323 | 0.30755 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |
| Total | 2.31087 | 2.28519 | 0.01574 | 1.87106 | 0.00011 | 0.00332 | — | 0.00332 | 0.00251 | — | 0.00251 | — | 6.97987 | 6.97987 | 0.00029 | 0.00006 | — | 7.00504 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 211.816 | 201.391 | 413.206 | 21.7519 | 0.51999 | — | 1,111.96 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 35.0685 | 33.3425 | 68.4110 | 3.60127 | 0.08609 | — | 184.098 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 319.440 | 0.00000 | 319.440 | 31.9269 | 0.00000 | — | 1,117.61 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 52.8869 | 0.00000 | 52.8869 | 5.28586 | 0.00000 | — | 185.033 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 124.426 | 124.426 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.6001 | 20.6001 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.14681 | 0.12133 | 1.12933 | 1.58329 | 0.00268 | 0.00571 | — | 0.00571 | 0.00526 | — | 0.00526 | — | 207.475 | 207.475 | 0.00842 | 0.00168 | — | 208.187 |
| Air Compressors | 0.14356 | 0.11864 | 0.98985 | 1.45950 | 0.00230 | 0.00528 | — | 0.00528 | 0.00485 | — | 0.00485 | — | 178.031 | 178.031 | 0.00722 | 0.00144 | — | 178.642 |
| Off-Highway Tractors | 0.36111 | 0.30344 | 0.87157 | 2.99886 | 0.01422 | 0.03280 | — | 0.03280 | 0.03018 | — | 0.03018 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.931 | 694.931 | 0.02819 | 0.00564 | — | 697.316 |
| Skid Steer Loaders | 0.05253 | 0.04414 | 0.64336 | 1.49675 | 0.00227 | 0.00561 | — | 0.00561 | 0.00516 | — | 0.00516 | — | 245.104 | 245.104 | 0.00994 | 0.00199 | — | 245.945 |
| Total | 1.09286 | 0.97640 | 7.24185 | 32.9209 | 0.05675 | 0.12160 | — | 0.12160 | 0.11764 | — | 0.11764 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tractors/ | 0.26037 | 0.26037 | 1.35395 | 19.2677 | 0.02530 | 0.05207 | — | 0.05207 | 0.05207 | — | 0.05207 | — | 2,738.45 | 2,738.45 | 0.11108 | 0.02222 | — | 2,747.85 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.03641 | 0.03641 | 1.10858 | 1.49699 | 0.00197 | 0.00405 | — | 0.00405 | 0.00405 | — | 0.00405 | — | 213.581 | 213.581 | 0.00866 | 0.00173 | — | 214.314 |
| Sweepers/Scrubbers | 0.02629 | 0.02629 | 0.80319 | 1.19748 | 0.00158 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 171.406 | 171.406 | 0.00695 | 0.00139 | — | 171.994 |
| Welders | 0.14681 | 0.12133 | 1.12933 | 1.58329 | 0.00268 | 0.00571 | — | 0.00571 | 0.00526 | — | 0.00526 | — | 207.475 | 207.475 | 0.00842 | 0.00168 | — | 208.187 |
| Air Compressors | 0.14356 | 0.11864 | 0.98985 | 1.45950 | 0.00230 | 0.00528 | — | 0.00528 | 0.00485 | — | 0.00485 | — | 178.031 | 178.031 | 0.00722 | 0.00144 | — | 178.642 |
| Off-Highway Tractors | 0.36111 | 0.30344 | 0.87157 | 2.99886 | 0.01422 | 0.03280 | — | 0.03280 | 0.03018 | — | 0.03018 | — | 1,538.66 | 1,538.66 | 0.06241 | 0.01248 | — | 1,543.94 |
| Other General Industrial Equipment | 0.06577 | 0.06577 | 0.34203 | 3.42030 | 0.00642 | 0.01315 | — | 0.01315 | 0.01315 | — | 0.01315 | — | 694.931 | 694.931 | 0.02819 | 0.00564 | — | 697.316 |
| Skid Steer Loaders | 0.05253 | 0.04414 | 0.64336 | 1.49675 | 0.00227 | 0.00561 | — | 0.00561 | 0.00516 | — | 0.00516 | — | 245.104 | 245.104 | 0.00994 | 0.00199 | — | 245.945 |
| Total | 1.09286 | 0.97640 | 7.24185 | 32.9209 | 0.05675 | 0.12160 | — | 0.12160 | 0.11764 | — | 0.11764 | — | 5,987.64 | 5,987.64 | 0.24288 | 0.04858 | — | 6,008.19 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tractors/Loaders/Backhoes | 0.02070 | 0.02070 | 0.10764 | 1.53178 | 0.00201 | 0.00414 | — | 0.00414 | 0.00414 | — | 0.00414 | — | 197.501 | 197.501 | 0.00801 | 0.00160 | — | 198.179 |
| Forklifts | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Aerial Lifts | 0.00473 | 0.00473 | 0.14412 | 0.19461 | 0.00026 | 0.00053 | — | 0.00053 | 0.00053 | — | 0.00053 | — | 25.1885 | 25.1885 | 0.00102 | 0.00020 | — | 25.2749 |
| Sweepers/Scrubbers | 0.00342 | 0.00342 | 0.10441 | 0.15567 | 0.00021 | 0.00038 | — | 0.00038 | 0.00038 | — | 0.00038 | — | 20.2146 | 20.2146 | 0.00082 | 0.00016 | — | 20.2840 |
| Welders | 0.01908 | 0.01577 | 0.14681 | 0.20583 | 0.00035 | 0.00074 | — | 0.00074 | 0.00068 | — | 0.00068 | — | 24.4684 | 24.4684 | 0.00099 | 0.00020 | — | 24.5523 |
| Air Compressors | 0.01866 | 0.01542 | 0.12868 | 0.18973 | 0.00030 | 0.00069 | — | 0.00069 | 0.00063 | — | 0.00063 | — | 20.9959 | 20.9959 | 0.00085 | 0.00017 | — | 21.0679 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-High Tractors | 0.04694 | 0.03945 | 0.11330 | 0.38985 | 0.00185 | 0.00426 | — | 0.00426 | 0.00392 | — | 0.00392 | — | 181.460 | 181.460 | 0.00736 | 0.00147 | — | 182.083 |
| Other General Industrial Equipment | 0.00717 | 0.00717 | 0.03728 | 0.37281 | 0.00070 | 0.00143 | — | 0.00143 | 0.00143 | — | 0.00143 | — | 68.7170 | 68.7170 | 0.00279 | 0.00056 | — | 68.9529 |
| Skid Steer Loaders | 0.00683 | 0.00574 | 0.08364 | 0.19458 | 0.00029 | 0.00073 | — | 0.00073 | 0.00067 | — | 0.00067 | — | 28.9062 | 28.9062 | 0.00117 | 0.00023 | — | 29.0054 |
| Total | 0.12754 | 0.11240 | 0.86588 | 3.23487 | 0.00596 | 0.01290 | — | 0.01290 | 0.01239 | — | 0.01239 | — | 567.452 | 567.452 | 0.02302 | 0.00460 | — | 569.399 |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipm Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 96.0000 | 96.0000 | 96.0000 | 35,040.0 | 1,920.00 | 1,920.00 | 1,920.00 | 700,800 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

| Land Use | Hearth Type | Unmitigated (number) | Mitigated (number) |
|---|---|---|---|
| General Heavy Industry | Wood Fireplaces | 0 | 0 |
| General Heavy Industry | Gas Fireplaces | 0 | 0 |
| General Heavy Industry | Propane Fireplaces | 0 | 0 |
| General Heavy Industry | Electric Fireplaces | 0 | 0 |
| General Heavy Industry | No Fireplaces | 0 | 0 |
| General Heavy Industry | Conventional Wood Stoves | 0 | 0 |
| General Heavy Industry | Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Non-Catalytic Wood Stoves | 0 | 0 |
| General Heavy Industry | Pellet Wood Stoves | 0 | 0 |

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 0.00000 | 0.00000 | 717,000 | 239,000 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00000 |
| Summer Days | day/yr | 180.000 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| General Heavy Industry | 4,937,720 | 203.983 | 0.0330 | 0.0040 | 19,817,215 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Heavy Industry | 110,537,500 | 0.00000 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Heavy Industry | 592.720 | 0.00000 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088.00 | 0.30000 | 4.00000 | 4.00000 | 18.0000 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00000 | 21.0000 | 152.000 | 0.37000 |
| Forklifts | Electric | Average | 1.000000 | 8.00000 | 82.0000 | 0.20000 |
| Aerial Lifts | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 74.0000 | 0.31000 |
| Sweepers/Scrubbers | Diesel | Tier 4 Final | 1.000000 | 8.00000 | 36.0000 | 0.46000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Welders | Diesel | Average | 1.000000 | 8.00000 | 46.0000 | 0.45000 |
| Air Compressors | Diesel | Average | 1.000000 | 8.00000 | 37.0000 | 0.48000 |
| Off-Highway Tractors | Diesel | Average | 1.000000 | 8.00000 | 376.000 | 0.44000 |
| Other General Industrial Equipment | Diesel | Tier 4 Final | 1.000000 | 9.00000 | 195.000 | 0.34000 |
| Off-Highway Tractors | Electric | Average | 2.00000 | 8.00000 | 38.0000 | 0.44000 |
| Skid Steer Loaders | Diesel | Average | 1.000000 | 8.00000 | 71.0000 | 0.37000 |

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

### 5.16.2. Process Boilers

## 5.17. User Defined

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 23.2300 | annual days of extreme heat |
| Extreme Precipitation | 2.40000 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 4.10000 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Flooding | 0 | 0 | 0 | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 1 | 1 | 1 | 2 |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 46.9944 |
| AQ-PM | 58.3323 |
| AQ-DPM | 91.2134 |
| Drinking Water | 41.5511 |
| Lead Risk Housing | 52.1739 |
| Pesticides | 69.9310 |
| Toxic Releases | 83.2458 |
| Traffic | 62.8750 |
| Effect Indicators | — |
| CleanUp Sites | 89.7910 |
| Groundwater | 96.6462 |
| Haz Waste Facilities/Generators | 77.1013 |
| Impaired Water Bodies | 98.7190 |
| Solid Waste | 84.7423 |
| Sensitive Population | — |
| Asthma | 95.5882 |
| Cardio-vascular | 88.5219 |
| Low Birth Weights | 81.8835 |
| Socioeconomic Factor Indicators | — |
| Education | 86.9527 |
| Housing | 58.7706 |
| Linguistic | 71.3899 |
| Poverty | 84.1206 |
| Unemployment | 52.5247 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 14.26921596 |
| Employed | 8.417810856 |
| Median HI | 24.08571795 |
| Education | — |
| Bachelor's or higher | 5.671756705 |
| High school enrollment | 24.5989991 |
| Preschool enrollment | 42.2302066 |
| Transportation | — |
| Auto Access | 48.80020531 |
| Active commuting | 7.86603362 |
| Social | — |
| 2-parent households | 40.11292185 |
| Voting | 24.1498781 |
| Neighborhood | — |
| Alcohol availability | 76.45322726 |
| Park access | 33.78673168 |
| Retail density | 31.23315796 |
| Supermarket access | 7.096111895 |
| Tree canopy | 64.82740921 |
| Housing | — |
| Homeownership | 41.92223791 |
| Housing habitability | 25.72821763 |
| Low-inc homeowner severe housing cost burden | 57.60297703 |
| Low-inc renter severe housing cost burden | 11.04837675 |

| | |
|---|---|
| Uncrowded housing | 14.25638393 |
| Health Outcomes | — |
| Insured adults | 19.59450789 |
| Arthritis | 36.0 |
| Asthma ER Admissions | 1.7 |
| High Blood Pressure | 8.6 |
| Cancer (excluding skin) | 82.6 |
| Asthma | 14.8 |
| Coronary Heart Disease | 37.1 |
| Chronic Obstructive Pulmonary Disease | 17.9 |
| Diagnosed Diabetes | 13.1 |
| Life Expectancy at Birth | 7.6 |
| Cognitively Disabled | 68.5 |
| Physically  Disabled | 36.0 |
| Heart Attack ER Admissions | 2.8 |
| Mental Health Not Good | 13.3 |
| Chronic Kidney Disease | 20.1 |
| Obesity | 13.0 |
| Pedestrian Injuries | 81.6 |
| Physical Health Not Good | 13.4 |
| Stroke | 17.3 |
| Health Risk Behaviors | — |
| Binge Drinking | 90.4 |
| Current Smoker | 10.2 |
| No Leisure Time for Physical Activity | 4.3 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 8.5 |
| Elderly | 90.4 |
| English Speaking | 23.9 |
| Foreign-born | 75.6 |
| Outdoor Workers | 5.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 47.8 |
| Traffic Density | 78.2 |
| Traffic Access | 0.0 |
| Other Indices | — |
| Hardship | 91.5 |
| Other Decision Support | — |
| 2016 Voting | 6.3 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 99.0000 |
| Healthy Places Index Score for Project Location (b) | 15.0000 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | Southwest Stockton |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Characteristics: Utility Information | Project specific information |
| Construction: Construction Phases | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Off-Road Equipment | Site specific information was provided in the email from Anchor, dated 1 October 2025. |
| Construction: Paving | Estimated potential paved areas based on Google Earth measurements. |
| Operations: Fleet Mix | Data are for employee vehicles. Assumed that only LDA, LDT1, and LDT2 categories would be used. Fleet mix is based on EMFAC data for 2023 for these vehicle categories. |
| Operations: Off-Road Equipment | List of equipment provided by client. Estimated usage based on project/site information. |

## 8.2. Project Characteristics

### 8.2.1. Project Details

| Model Parameter | Default Value | New Value |
|---|---|---|
| Electric Utility | Western Area Power Administration | Pacific Gas & Electric Company |

## 8.5. Operations

### 8.5.7. Off-Road Equipment

#### 8.5.7.1. Off-Road Equipment

| Equipment Type | Model Parameter | Default Value | New Value |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Engine Tier | Average | Tier 4 Final |
| Tractors/Loaders/Backhoes | Hours/Day | 8.00000 | 21.0000 |

| | | | |
|---|---|---|---|
| Tractors/Loaders/Backhoes | Days/Year | 260.000 | 159.000 |
| Tractors/Loaders/Backhoes | Horsepower | 84.0000 | 152.000 |
| Forklifts | Fuel Type | Diesel | Electric |
| Aerial Lifts | Engine Tier | Average | Tier 4 Final |
| Aerial Lifts | Horsepower | 46.0000 | 74.0000 |
| Sweepers/Scrubbers | Engine Tier | Average | Tier 4 Final |
| Off-Highway Tractors | Horsepower | 38.0000 | 376.000 |
| Other General Industrial Equipment | Hours/Day | 8.00000 | 9.00000 |
| Other General Industrial Equipment | Days/Year | 260.000 | 218.000 |
| Other General Industrial Equipment | Horsepower | 35.0000 | 195.000 |
| Off-Highway Tractors | Fuel Type | Diesel | Electric |
| Off-Highway Tractors | Number/Day | 1.000000 | 2.00000 |