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## **Appendix D**

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# Costa Mesa Construction Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                   |
|-----------------------------|-----------------------------------------|
| Project Name                | Costa Mesa Construction                 |
| Construction Start Date     | 1/2/2027                                |
| Lead Agency                 | —                                       |
| Land Use Scale              | Plan/community                          |
| Analysis Level for Defaults | County                                  |
| Windspeed (m/s)             | 2.50000                                 |
| Precipitation (days)        | 19.6000                                 |
| Location                    | 33.664156669384695, -117.90481879903552 |
| County                      | Orange                                  |
| City                        | Costa Mesa                              |
| Air District                | South Coast AQMD                        |
| Air Basin                   | South Coast                             |
| TAZ                         | 5941                                    |
| EDFZ                        | 7                                       |
| Electric Utility            | Southern California Edison              |
| Gas Utility                 | Southern California Gas                 |
| App Version                 | 2022.1.1.38                             |

## 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 Office Building | 350.801 | 1000sqft | 8.05328     | 350,801               | 0.00000                | —                              | —          | —           |

|                     |         |               |         |         |         |   |          |   |
|---------------------|---------|---------------|---------|---------|---------|---|----------|---|
| Apartments Mid Rise | 710.000 | Dwelling Unit | 18.6842 | 681,600 | 0.00000 | — | 2,116.00 | — |
|---------------------|---------|---------------|---------|---------|---------|---|----------|---|

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

No measures selected

## 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.              | 8.22039 | 6.54947 | 34.1042 | 104.992 | 0.12003 | 0.79546 | 21.5966 | 22.3921 | 0.73738 | 5.17295 | 5.91033 | —    | 33,276.6 | 33,276.6 | 0.88643 | 2.02790 | 81.6142 | 33,984.6 |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 168.871 | 168.310 | 139.990 | 163.512 | 0.34722 | 5.25904 | 70.2374 | 75.4964 | 4.85197 | 32.2911 | 37.1431 | —    | 55,027.3 | 55,027.3 | 2.14586 | 3.23112 | 2.49304 | 56,044.0 |
| Average Daily (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 12.1184 | 11.0356 | 26.3540 | 59.3616 | 0.08174 | 0.71358 | 14.2242 | 14.9378 | 0.66011 | 3.81272 | 4.47283 | —    | 19,410.8 | 19,410.8 | 0.59346 | 1.18668 | 19.1741 | 19,798.4 |
| Annual (Max)        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 2.21161 | 2.01400 | 4.80960 | 10.8335 | 0.01492 | 0.13023 | 2.59592 | 2.72614 | 0.12047 | 0.69582 | 0.81629 | —    | 3,213.68 | 3,213.68 | 0.09825 | 0.19647 | 3.17449 | 3,277.86 |

### 2.2. Construction Emissions by Year

#### 2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 8.22039 | 6.54947 | 34.1042 | 104.992 | 0.12003 | 0.79546 | 21.5966 | 22.3921 | 0.73738 | 5.17295 | 5.91033 | —    | 33,276.6 | 33,276.6 | 0.88643 | 2.02790 | 81.6142 | 33,984.6 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 168.871 | 168.310 | 139.990 | 163.512 | 0.34722 | 5.25904 | 70.2374 | 75.4964 | 4.85197 | 32.2911 | 37.1431 | —    | 55,027.3 | 55,027.3 | 2.14586 | 3.23112 | 2.49304 | 56,044.0 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 12.1184 | 11.0356 | 26.3540 | 59.3616 | 0.08174 | 0.71358 | 14.2242 | 14.9378 | 0.66011 | 3.81272 | 4.47283 | —    | 19,410.8 | 19,410.8 | 0.59346 | 1.18668 | 19.1741 | 19,798.4 |
| 2028                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| 2029                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| Annual               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 2.21161 | 2.01400 | 4.80960 | 10.8335 | 0.01492 | 0.13023 | 2.59592 | 2.72614 | 0.12047 | 0.69582 | 0.81629 | —    | 3,213.68 | 3,213.68 | 0.09825 | 0.19647 | 3.17449 | 3,277.86 |
| 2028                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| 2029                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |

### 2.2.2. Onsite 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) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 2.64130 | 2.21082 | 20.2713 | 28.5804 | 0.05055 | 0.72597 | 0.00000 | 0.72597 | 0.66789 | 0.00000 | 0.66789 | —    | 5,200.63 | 5,200.63 | 0.21096 | 0.04219 | 0.00000 | 5,218.48 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 167.779 | 167.381 | 123.665 | 128.291 | 0.25655 | 5.08838 | 65.5190 | 70.6074 | 4.68131 | 31.0224 | 35.7037 | —    | 27,786.3 | 27,786.3 | 1.12713 | 0.22543 | 0.00000 | 27,881.7 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

|        |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 2027   | 9.11910 | 8.74286 | 17.6682 | 22.4103 | 0.04082 | 0.66831 | 2.75112 | 3.41943 | 0.61484 | 1.05947 | 1.67431 | — | 4,267.81 | 4,267.81 | 0.17312 | 0.03462 | 0.00000 | 4,282.45 |
| Annual | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 2027   | 1.66424 | 1.59557 | 3.22445 | 4.08989 | 0.00745 | 0.12197 | 0.50208 | 0.62405 | 0.11221 | 0.19335 | 0.30556 | — | 706.584  | 706.584  | 0.02866 | 0.00573 | 0.00000 | 709.009  |

### 2.2.3. Offsite 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) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 5.57910 | 4.33865 | 13.8329 | 76.4121 | 0.06949 | 0.06949 | 21.5966 | 21.6661 | 0.06949 | 5.17295 | 5.24244 | —    | 28,075.9 | 28,075.9 | 0.67547 | 1.98571 | 81.6142 | 28,766.2 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 6.33222 | 4.52802 | 22.4842 | 71.9884 | 0.11450 | 0.17066 | 23.9837 | 24.1389 | 0.17066 | 5.81351 | 5.96873 | —    | 34,305.2 | 34,305.2 | 1.21173 | 3.06301 | 2.49304 | 35,250.7 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 2.99932 | 2.29275 | 8.68578 | 36.9513 | 0.04092 | 0.04527 | 11.4731 | 11.5183 | 0.04527 | 2.75325 | 2.79852 | —    | 15,143.0 | 15,143.0 | 0.42034 | 1.15206 | 19.1741 | 15,516.0 |
| 2028                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| 2029                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| Annual               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 0.54738 | 0.41843 | 1.58515 | 6.74361 | 0.00747 | 0.00826 | 2.09384 | 2.10210 | 0.00826 | 0.50247 | 0.51073 | —    | 2,507.10 | 2,507.10 | 0.06959 | 0.19074 | 3.17449 | 2,568.85 |
| 2028                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| 2029                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |

## 3. Construction Emissions Details

### 3.1. Demolition (2027)

#### 3.1.1. Onsite - 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     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 6.44320 | 5.40854 | 48.6166 | 45.1565 | 0.07910 | 1.96412 | —       | 1.96412 | 1.80699 | —       | 1.80699 | —    | 8,374.37 | 8,374.37 | 0.33970 | 0.06794 | —       | 8,403.11 |
| Demolition          | —       | —       | —       | —       | —       | —       | 16.8339 | 16.8339 | —       | 2.54913 | 2.54913 | —    | —        | —        | —       | —       | —       | —        |
| 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  | 0.22948 | 0.19263 | 1.73155 | 1.60831 | 0.00282 | 0.06995 | —       | 0.06995 | 0.06436 | —       | 0.06436 | —    | 298.265  | 298.265  | 0.01210 | 0.00242 | —       | 299.289  |
| Demolition          | —       | —       | —       | —       | —       | —       | 0.59956 | 0.59956 | —       | 0.09079 | 0.09079 | —    | —        | —        | —       | —       | —       | —        |
| 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  | 0.04188 | 0.03516 | 0.31601 | 0.29352 | 0.00051 | 0.01277 | —       | 0.01277 | 0.01175 | —       | 0.01175 | —    | 49.3812  | 49.3812  | 0.00200 | 0.00040 | —       | 49.5507  |
| Demolition          | —       | —       | —       | —       | —       | —       | 0.10942 | 0.10942 | —       | 0.01657 | 0.01657 | —    | —        | —        | —       | —       | —       | —        |
| 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  |

## 3.1.2. Offsite - 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     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.12650 | 0.10765 | 0.11645 | 1.61603 | 0.00000 | 0.00000 | 0.49670 | 0.49670 | 0.00000 | 0.11642 | 0.11642 | —    | 463.003  | 463.003  | 0.00586 | 0.01801 | 0.04011 | 468.558  |
| Vendor              | 0.02412 | 0.00622 | 0.31993 | 0.15596 | 0.00225 | 0.00225 | 0.08556 | 0.08781 | 0.00225 | 0.02364 | 0.02589 | —    | 308.009  | 308.009  | 0.01543 | 0.04202 | 0.01907 | 320.936  |
| Hauling             | 0.52141 | 0.08007 | 6.95707 | 3.00927 | 0.03911 | 0.07449 | 1.52877 | 1.60325 | 0.07449 | 0.42875 | 0.50323 | —    | 5,678.14 | 5,678.14 | 0.43761 | 0.91619 | 0.28014 | 5,962.38 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00448 | 0.00383 | 0.00467 | 0.06002 | 0.00000 | 0.00000 | 0.01747 | 0.01747 | 0.00000 | 0.00409 | 0.00409 | —    | 16.7157  | 16.7157  | 0.00021 | 0.00064 | 0.02376 | 16.9359  |
| Vendor              | 0.00087 | 0.00023 | 0.01147 | 0.00548 | 0.00008 | 0.00008 | 0.00302 | 0.00310 | 0.00008 | 0.00083 | 0.00091 | —    | 10.9669  | 10.9669  | 0.00055 | 0.00150 | 0.01130 | 11.4379  |
| Hauling             | 0.01877 | 0.00298 | 0.24931 | 0.10665 | 0.00139 | 0.00265 | 0.05391 | 0.05657 | 0.00265 | 0.01514 | 0.01779 | —    | 202.191  | 202.191  | 0.01559 | 0.03263 | 0.16617 | 212.471  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00082 | 0.00070 | 0.00085 | 0.01095 | 0.00000 | 0.00000 | 0.00319 | 0.00319 | 0.00000 | 0.00075 | 0.00075 | —    | 2.76748  | 2.76748  | 0.00003 | 0.00011 | 0.00393 | 2.80393  |
| Vendor              | 0.00016 | 0.00004 | 0.00209 | 0.00100 | 0.00001 | 0.00001 | 0.00055 | 0.00056 | 0.00001 | 0.00015 | 0.00017 | —    | 1.81569  | 1.81569  | 0.00009 | 0.00025 | 0.00187 | 1.89367  |
| Hauling             | 0.00343 | 0.00054 | 0.04550 | 0.01946 | 0.00025 | 0.00048 | 0.00984 | 0.01032 | 0.00048 | 0.00276 | 0.00325 | —    | 33.4751  | 33.4751  | 0.00258 | 0.00540 | 0.02751 | 35.1770  |

## 3.2. Site Preparation (2027)

## 3.2.1. Onsite - 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 |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 8.43562 | 7.08826 | 64.9387 | 65.3480 | 0.11322 | 2.72410 | —       | 2.72410 | 2.50618 | —       | 2.50618 | — | 12,264.8 | 12,264.8 | 0.49751 | 0.09950 | —       | 12,306.9 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 45.9542 | 45.9542 | —       | 23.5857 | 23.5857 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.20800 | 0.17478 | 1.60123 | 1.61132 | 0.00279 | 0.06717 | —       | 0.06717 | 0.06180 | —       | 0.06180 | — | 302.420  | 302.420  | 0.01227 | 0.00245 | —       | 303.458  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 1.13312 | 1.13312 | —       | 0.58156 | 0.58156 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.03796 | 0.03190 | 0.29222 | 0.29407 | 0.00051 | 0.01226 | —       | 0.01226 | 0.01128 | —       | 0.01128 | — | 50.0691  | 50.0691  | 0.00203 | 0.00041 | —       | 50.2409  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.20679 | 0.20679 | —       | 0.10614 | 0.10614 | — | —        | —        | —       | —       | —       | —        |
| 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  |

## 3.2.2. Offsite - 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     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.13982 | 0.11898 | 0.12871 | 1.78614 | 0.00000 | 0.00000 | 0.54898 | 0.54898 | 0.00000 | 0.12868 | 0.12868 | —    | 511.741  | 511.741  | 0.00648 | 0.01991 | 0.04434 | 517.879  |
| Vendor              | 0.02412 | 0.00622 | 0.31993 | 0.15596 | 0.00225 | 0.00225 | 0.08556 | 0.08781 | 0.00225 | 0.02364 | 0.02589 | —    | 308.009  | 308.009  | 0.01543 | 0.04202 | 0.01907 | 320.936  |
| Hauling             | 0.57871 | 0.08887 | 7.72169 | 3.34000 | 0.04340 | 0.08267 | 1.69679 | 1.77946 | 0.08267 | 0.47587 | 0.55854 | —    | 6,302.20 | 6,302.20 | 0.48571 | 1.01688 | 0.31093 | 6,617.68 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00342 | 0.00293 | 0.00357 | 0.04593 | 0.00000 | 0.00000 | 0.01337 | 0.01337 | 0.00000 | 0.00313 | 0.00313 | —    | 12.7906  | 12.7906  | 0.00016 | 0.00049 | 0.01818 | 12.9590  |
| Vendor              | 0.00060 | 0.00016 | 0.00794 | 0.00380 | 0.00006 | 0.00006 | 0.00209 | 0.00214 | 0.00006 | 0.00058 | 0.00063 | —    | 7.59244  | 7.59244  | 0.00038 | 0.00104 | 0.00783 | 7.91854  |
| Hauling             | 0.01442 | 0.00229 | 0.19157 | 0.08195 | 0.00107 | 0.00204 | 0.04143 | 0.04347 | 0.00204 | 0.01163 | 0.01367 | —    | 155.363  | 155.363  | 0.01198 | 0.02507 | 0.12768 | 163.262  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00063 | 0.00054 | 0.00065 | 0.00838 | 0.00000 | 0.00000 | 0.00244 | 0.00244 | 0.00000 | 0.00057 | 0.00057 | —    | 2.11763  | 2.11763  | 0.00003 | 0.00008 | 0.00301 | 2.14552  |
| Vendor              | 0.00011 | 0.00003 | 0.00145 | 0.00069 | 0.00001 | 0.00001 | 0.00038 | 0.00039 | 0.00001 | 0.00011 | 0.00012 | —    | 1.25701  | 1.25701  | 0.00006 | 0.00017 | 0.00130 | 1.31100  |
| Hauling             | 0.00263 | 0.00042 | 0.03496 | 0.01496 | 0.00020 | 0.00037 | 0.00756 | 0.00793 | 0.00037 | 0.00212 | 0.00249 | —    | 25.7221  | 25.7221  | 0.00198 | 0.00415 | 0.02114 | 27.0299  |

## 3.3. Grading (2027)

## 3.3.1. Onsite - 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 |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 8.04703 | 6.76174 | 58.7265 | 62.9428 | 0.14334 | 2.36428 | —       | 2.36428 | 2.17514 | —       | 2.17514 | — | 15,521.5 | 15,521.5 | 0.62962 | 0.12592 | —       | 15,574.8 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 19.5648 | 19.5648 | —       | 7.43673 | 7.43673 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.41889 | 0.35198 | 3.05700 | 3.27648 | 0.00746 | 0.12307 | —       | 0.12307 | 0.11323 | —       | 0.11323 | — | 807.968  | 807.968  | 0.03277 | 0.00655 | —       | 810.741  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 1.01844 | 1.01844 | —       | 0.38712 | 0.38712 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.07645 | 0.06424 | 0.55790 | 0.59796 | 0.00136 | 0.02246 | —       | 0.02246 | 0.02066 | —       | 0.02066 | — | 133.768  | 133.768  | 0.00543 | 0.00109 | —       | 134.227  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.18587 | 0.18587 | —       | 0.07065 | 0.07065 | — | —        | —        | —       | —       | —       | —        |
| 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  |

## 3.3.2. Offsite - 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     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.15979 | 0.13598 | 0.14709 | 2.04130 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | —    | 584.846  | 584.846  | 0.00741 | 0.02275 | 0.05067 | 591.862  |
| 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             | 0.60015 | 0.09217 | 8.00768 | 3.46371 | 0.04501 | 0.08574 | 1.75963 | 1.84537 | 0.08574 | 0.49349 | 0.57923 | —    | 6,535.61 | 6,535.61 | 0.50370 | 1.05454 | 0.32244 | 6,862.78 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00826 | 0.00708 | 0.00862 | 0.11080 | 0.00000 | 0.00000 | 0.03225 | 0.03225 | 0.00000 | 0.00755 | 0.00755 | —    | 30.8598  | 30.8598  | 0.00039 | 0.00118 | 0.04386 | 31.2662  |
| 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             | 0.03158 | 0.00502 | 0.41940 | 0.17941 | 0.00234 | 0.00446 | 0.09070 | 0.09516 | 0.00446 | 0.02546 | 0.02993 | —    | 340.136  | 340.136  | 0.02622 | 0.05489 | 0.27953 | 357.430  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.00151 | 0.00129 | 0.00157 | 0.02022 | 0.00000 | 0.00000 | 0.00589 | 0.00589 | 0.00000 | 0.00138 | 0.00138 | —    | 5.10919  | 5.10919  | 0.00006 | 0.00020 | 0.00726 | 5.17648  |
| 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             | 0.00576 | 0.00092 | 0.07654 | 0.03274 | 0.00043 | 0.00081 | 0.01655 | 0.01737 | 0.00081 | 0.00465 | 0.00546 | —    | 56.3134  | 56.3134  | 0.00434 | 0.00909 | 0.04628 | 59.1766  |

## 3.4. Building Construction (2027)

## 3.4.1. Onsite - 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 |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road Equipment  | 2.64130 | 2.21082 | 20.2713 | 28.5804 | 0.05055 | 0.72597 | —       | 0.72597 | 0.66789 | —       | 0.66789 | — | 5,200.63 | 5,200.63 | 0.21096 | 0.04219 | —       | 5,218.48 |
| 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  | 2.64130 | 2.21082 | 20.2713 | 28.5804 | 0.05055 | 0.72597 | —       | 0.72597 | 0.66789 | —       | 0.66789 | — | 5,200.63 | 5,200.63 | 0.21096 | 0.04219 | —       | 5,218.48 |
| 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  | 1.36769 | 1.14478 | 10.4966 | 14.7991 | 0.02617 | 0.37591 | —       | 0.37591 | 0.34584 | —       | 0.34584 | — | 2,692.93 | 2,692.93 | 0.10924 | 0.02185 | —       | 2,702.17 |
| 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  | 0.24960 | 0.20892 | 1.91564 | 2.70084 | 0.00478 | 0.06860 | —       | 0.06860 | 0.06312 | —       | 0.06312 | — | 445.845  | 445.845  | 0.01809 | 0.00362 | —       | 447.375  |
| 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  |

### 3.4.2. Offsite - 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 |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                           |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Worker                    | 4.82702 | 4.13973 | 4.34752 | 71.7020 | 0.00000 | 0.00000 | 18.9529 | 18.9529 | 0.00000 | 4.44252 | 4.44252 | — | 18,563.4 | 18,563.4 | 0.19180 | 0.68729 | 58.8599 | 18,831.9 |
| Vendor                    | 0.75208 | 0.19892 | 9.48542 | 4.71001 | 0.06949 | 0.06949 | 2.64378 | 2.71326 | 0.06949 | 0.73043 | 0.79991 | — | 9,512.48 | 9,512.48 | 0.48367 | 1.29842 | 22.7543 | 9,934.25 |
| 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,<br>Winter<br>(Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                    | 4.82702 | 4.10776 | 4.44342 | 61.6644 | 0.00000 | 0.00000 | 18.9529 | 18.9529 | 0.00000 | 4.44252 | 4.44252 | — | 17,667.2 | 17,667.2 | 0.22377 | 0.68729 | 1.53069 | 17,879.2 |
| Vendor                    | 0.74526 | 0.19211 | 9.88599 | 4.81901 | 0.06949 | 0.06949 | 2.64378 | 2.71326 | 0.06949 | 0.73043 | 0.79991 | — | 9,517.47 | 9,517.47 | 0.47686 | 1.29842 | 0.58923 | 9,916.91 |
| 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<br>Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                    | 2.48292 | 2.12703 | 2.59051 | 33.2959 | 0.00000 | 0.00000 | 9.69042 | 9.69042 | 0.00000 | 2.26949 | 2.26949 | — | 9,273.17 | 9,273.17 | 0.11587 | 0.35588 | 13.1809 | 9,395.30 |
| Vendor                    | 0.38943 | 0.10300 | 5.15220 | 2.46358 | 0.03598 | 0.03598 | 1.35446 | 1.39044 | 0.03598 | 0.37459 | 0.41057 | — | 4,926.73 | 4,926.73 | 0.24692 | 0.67233 | 5.07826 | 5,138.34 |
| 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                    | 0.45313 | 0.38818 | 0.47277 | 6.07651 | 0.00000 | 0.00000 | 1.76850 | 1.76850 | 0.00000 | 0.41418 | 0.41418 | — | 1,535.28 | 1,535.28 | 0.01918 | 0.05892 | 2.18225 | 1,555.50 |
| Vendor                    | 0.07107 | 0.01880 | 0.94028 | 0.44960 | 0.00657 | 0.00657 | 0.24719 | 0.25375 | 0.00657 | 0.06836 | 0.07493 | — | 815.677  | 815.677  | 0.04088 | 0.11131 | 0.84076 | 850.711  |
| 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  |

### 3.5. Paving (2027)

#### 3.5.1. Onsite - 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 |
|---------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily,<br>Summer<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                    |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road           | 2.19403 | 1.84360 | 17.3610 | 24.8828 | 0.03488 | 0.74531 | —       | 0.74531 | 0.68569 | —       | 0.68569 | — | 3,777.77 | 3,777.77 | 0.15324 | 0.03065 | —       | 3,790.73 |
| Paving             | 0.00000 | 0.00000 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 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 | 0.09017 | 0.07576 | 0.71346 | 1.02258 | 0.00143 | 0.03063 | —       | 0.03063 | 0.02818 | —       | 0.02818 | — | 155.251  | 155.251  | 0.00630 | 0.00126 | —       | 155.783  |
| Paving             | 0.00000 | 0.00000 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 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 | 0.01646 | 0.01383 | 0.13021 | 0.18662 | 0.00026 | 0.00559 | —       | 0.00559 | 0.00514 | —       | 0.00514 | — | 25.7035  | 25.7035  | 0.00104 | 0.00021 | —       | 25.7917  |
| Paving             | 0.00000 | 0.00000 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 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  |

### 3.5.2. Offsite - 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    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.11984 | 0.10199 | 0.11032 | 1.53098 | 0.00000 | 0.00000 | 0.47055 | 0.47055 | 0.00000 | 0.11030 | 0.11030 | —    | 438.635 | 438.635 | 0.00556 | 0.01706 | 0.03800 | 443.897 |
| 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        | 0.00489 | 0.00419 | 0.00510 | 0.06561 | 0.00000 | 0.00000 | 0.01909 | 0.01909 | 0.00000 | 0.00447 | 0.00447 | — | 18.2723 | 18.2723 | 0.00023 | 0.00070 | 0.02597 | 18.5129 |
| 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        | 0.00089 | 0.00076 | 0.00093 | 0.01197 | 0.00000 | 0.00000 | 0.00348 | 0.00348 | 0.00000 | 0.00082 | 0.00082 | — | 3.02518 | 3.02518 | 0.00004 | 0.00012 | 0.00430 | 3.06502 |
| 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 |

### 3.6. Architectural Coating (2027)

#### 3.6.1. Onsite - 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    |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment     | 0.27430 | 0.22670 | 1.66232 | 2.25078 | 0.00345 | 0.03810 | —       | 0.03810 | 0.03505 | —       | 0.03505 | —    | 267.025 | 267.025 | 0.01083 | 0.00217 | —       | 267.942 |
| Architectural Coatings | 165.311 | 165.311 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| 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     | 0.01127 | 0.00932 | 0.06831 | 0.09250 | 0.00014 | 0.00157 | —       | 0.00157 | 0.00144 | —       | 0.00144 | — | 10.9736 | 10.9736 | 0.00045 | 0.00009 | —       | 11.0113 |
| Architectural Coatings | 6.79360 | 6.79360 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| 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     | 0.00206 | 0.00170 | 0.01247 | 0.01688 | 0.00003 | 0.00029 | —       | 0.00029 | 0.00026 | —       | 0.00026 | — | 1.81681 | 1.81681 | 0.00007 | 0.00001 | —       | 1.82305 |
| Architectural Coatings | 1.23983 | 1.23983 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| 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 |

### 3.6.2. Offsite - 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     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.97206 | 0.82722 | 0.89481 | 12.4179 | 0.00000 | 0.00000 | 3.81671 | 3.81671 | 0.00000 | 0.89463 | 0.89463 | —    | 3,557.82 | 3,557.82 | 0.04506 | 0.13841 | 0.30825 | 3,600.50 |
| 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        | 0.03968 | 0.03400 | 0.04140 | 0.53215 | 0.00000 | 0.00000 | 0.15488 | 0.15488 | 0.00000 | 0.03627 | 0.03627 | — | 148.208 | 148.208 | 0.00185 | 0.00569 | 0.21066 | 150.160 |
| 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        | 0.00724 | 0.00620 | 0.00756 | 0.09712 | 0.00000 | 0.00000 | 0.02827 | 0.02827 | 0.00000 | 0.00662 | 0.00662 | — | 24.5376 | 24.5376 | 0.00031 | 0.00094 | 0.03488 | 24.8607 |
| 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 |

## 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)

| 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

### 5.1. Construction Schedule

| Phase Name       | Phase Type       | Start Date | End Date  | Days Per Week | Work Days per Phase | Phase Description |
|------------------|------------------|------------|-----------|---------------|---------------------|-------------------|
| Demolition       | Demolition       | 1/2/2027   | 1/20/2027 | 5.00000       | 13.0000             | —                 |
| Site Preparation | Site Preparation | 1/20/2027  | 2/1/2027  | 5.00000       | 9.00000             | —                 |
| Grading          | Grading          | 2/1/2027   | 2/25/2027 | 5.00000       | 19.0000             | —                 |

|                       |                       |            |            |         |         |   |
|-----------------------|-----------------------|------------|------------|---------|---------|---|
| Building Construction | Building Construction | 2/25/2027  | 11/16/2027 | 5.00000 | 189.000 | — |
| Paving                | Paving                | 11/16/2027 | 12/6/2027  | 5.00000 | 15.0000 | — |
| Architectural Coating | Architectural Coating | 12/6/2027  | 12/24/2027 | 5.00000 | 15.0000 | — |

## 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 |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Demolition            | Concrete/Industrial Saws   | Diesel    | Average     | 2.00000        | 8.00000       | 33.0000    | 0.73000     |
| Demolition            | Excavators                 | Diesel    | Average     | 7.00000        | 8.00000       | 36.0000    | 0.38000     |
| Demolition            | Rubber Tired Dozers        | Diesel    | Average     | 5.00000        | 8.00000       | 367.000    | 0.40000     |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 7.00000        | 8.00000       | 367.000    | 0.40000     |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 9.00000        | 8.00000       | 84.0000    | 0.37000     |
| Grading               | Excavators                 | Diesel    | Average     | 5.00000        | 8.00000       | 36.0000    | 0.38000     |
| Grading               | Graders                    | Diesel    | Average     | 2.00000        | 8.00000       | 148.000    | 0.41000     |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 2.00000        | 8.00000       | 367.000    | 0.40000     |
| Grading               | Scrapers                   | Diesel    | Average     | 5.00000        | 8.00000       | 423.000    | 0.48000     |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 5.00000        | 8.00000       | 84.0000    | 0.37000     |
| Building Construction | Cranes                     | Diesel    | Average     | 2.00000        | 7.00000       | 367.000    | 0.29000     |
| Building Construction | Forklifts                  | Diesel    | Average     | 7.00000        | 8.00000       | 82.0000    | 0.20000     |
| Building Construction | Generator Sets             | Diesel    | Average     | 2.00000        | 8.00000       | 14.0000    | 0.74000     |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 7.00000        | 7.00000       | 84.0000    | 0.37000     |
| Building Construction | Welders                    | Diesel    | Average     | 2.00000        | 8.00000       | 46.0000    | 0.45000     |
| Paving                | Pavers                     | Diesel    | Average     | 5.00000        | 8.00000       | 81.0000    | 0.42000     |
| Paving                | Paving Equipment           | Diesel    | Average     | 5.00000        | 8.00000       | 89.0000    | 0.36000     |
| Paving                | Rollers                    | Diesel    | Average     | 5.00000        | 8.00000       | 36.0000    | 0.38000     |

|                       |                 |        |         |         |         |         |         |
|-----------------------|-----------------|--------|---------|---------|---------|---------|---------|
| Architectural Coating | Air Compressors | Diesel | Average | 2.00000 | 6.00000 | 37.0000 | 0.48000 |
|-----------------------|-----------------|--------|---------|---------|---------|---------|---------|

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Demolition            | Worker       | 38.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Demolition            | Vendor       | 10.00000              | 10.2000        | HHDT,MHDT     |
| Demolition            | Hauling      | 84.4667               | 20.0000        | HHDT          |
| Demolition            | Onsite truck | —                     | —              | HHDT          |
| Site Preparation      | Worker       | 42.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | 10.00000              | 10.2000        | HHDT,MHDT     |
| Site Preparation      | Hauling      | 93.7500               | 20.0000        | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Grading               | Worker       | 48.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Grading               | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Grading               | Hauling      | 97.2222               | 20.0000        | HHDT          |
| Grading               | Onsite truck | —                     | —              | HHDT          |
| Building Construction | Worker       | 1,450.00              | 18.5000        | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 309.000               | 10.2000        | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving                | Worker       | 36.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Paving                | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Paving                | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Paving                | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating | Worker       | 292.000               | 18.5000        | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor       | —                     | 10.2000        | HHDT,MHDT     |

|                       |              |         |         |      |
|-----------------------|--------------|---------|---------|------|
| Architectural Coating | Hauling      | 0.00000 | 20.0000 | HHDT |
| Architectural Coating | Onsite truck | —       | —       | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

| Control Strategies Applied                      | PM10 Reduction | PM2.5 Reduction |
|-------------------------------------------------|----------------|-----------------|
| Water unpaved roads twice daily                 | 55%            | 55%             |
| Limit vehicle speeds on unpaved roads to 25 mph | 44%            | 44%             |

## 5.5. Architectural Coatings

| Phase Name            | 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) |
|-----------------------|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| Architectural Coating | 1,380,240                                | 460,080                                  | 526,202                                      | 175,401                                      | —                           |

## 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) |
|------------------|---------------------------------|---------------------------------|----------------------|-----------------------------------------------|---------------------|
| Demolition       | 0.00000                         | 0.00000                         | 0.00000              | 220,296                                       | 0.00000             |
| Site Preparation | —                               | 15,000.0                        | 30.0000              | 0.00000                                       | 0.00000             |
| Grading          | —                               | 35,000.0                        | 135.000              | 0.00000                                       | 0.00000             |
| Paving           | 0.00000                         | 0.00000                         | 0.00000              | 0.00000                                       | 0.00000             |

### 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 |
|------------|-------------------------|--------------------|-----------|
| Paving     | General Office Building | 0.00000            | 0%        |
| Paving     | Apartments Mid Rise     | —                  | 0%        |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2     | CH4     | N2O     |
|------|--------------|---------|---------|---------|
| 2027 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2028 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2029 | 0.00000      | 531.983 | 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. 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 | 9.33000                     | annual days of extreme heat                |
| Extreme Precipitation        | 3.30000                     | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 0.00000                     | 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  $\frac{3}{4}$  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               | 1              | 0                 | 0                       | N/A                 |
| Wildfire                     | 1              | 0                 | 0                       | N/A                 |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | N/A            | N/A               | N/A                     | 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               | 1              | 1                 | 1                       | 2                   |
| Wildfire                     | 1              | 1                 | 1                       | 2                   |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | N/A            | N/A               | N/A                     | N/A                 |
| 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            | 53.7274                         |

|                                 |         |
|---------------------------------|---------|
| AQ-PM                           | 56.7642 |
| AQ-DPM                          | 63.2981 |
| Drinking Water                  | 6.18209 |
| Lead Risk Housing               | 58.0718 |
| Pesticides                      | 0.00000 |
| Toxic Releases                  | 85.3088 |
| Traffic                         | 91.5500 |
| Effect Indicators               | —       |
| CleanUp Sites                   | 82.4001 |
| Groundwater                     | 59.6048 |
| Haz Waste Facilities/Generators | 72.9715 |
| Impaired Water Bodies           | 0.00000 |
| Solid Waste                     | 70.4238 |
| Sensitive Population            | —       |
| Asthma                          | 29.2996 |
| Cardio-vascular                 | 26.1466 |
| Low Birth Weights               | 30.1257 |
| Socioeconomic Factor Indicators | —       |
| Education                       | 68.7547 |
| Housing                         | 58.2256 |
| Linguistic                      | 65.6246 |
| Poverty                         | 63.7688 |
| Unemployment                    | 14.3935 |

## 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                                | 48.01745156 |
| Employed                                     | 90.05517772 |
| Median HI                                    | 72.0518414  |
| Education                                    | —           |
| Bachelor's or higher                         | 51.84139612 |
| High school enrollment                       | 100         |
| Preschool enrollment                         | 34.55665341 |
| Transportation                               | —           |
| Auto Access                                  | 51.48209932 |
| Active commuting                             | 69.29295522 |
| Social                                       | —           |
| 2-parent households                          | 94.79019633 |
| Voting                                       | 42.71782369 |
| Neighborhood                                 | —           |
| Alcohol availability                         | 66.45707686 |
| Park access                                  | 81.35506224 |
| Retail density                               | 62.91543693 |
| Supermarket access                           | 40.30540228 |
| Tree canopy                                  | 28.06364686 |
| Housing                                      | —           |
| Homeownership                                | 47.60682664 |
| Housing habitability                         | 23.23880405 |
| Low-inc homeowner severe housing cost burden | 71.26908764 |
| Low-inc renter severe housing cost burden    | 13.60195047 |
| Uncrowded housing                            | 9.277556782 |
| Health Outcomes                              | —           |
| Insured adults                               | 17.9006801  |
| Arthritis                                    | 51.7        |

|                                       |      |
|---------------------------------------|------|
| Asthma ER Admissions                  | 64.1 |
| High Blood Pressure                   | 52.5 |
| Cancer (excluding skin)               | 38.7 |
| Asthma                                | 51.9 |
| Coronary Heart Disease                | 43.7 |
| Chronic Obstructive Pulmonary Disease | 42.5 |
| Diagnosed Diabetes                    | 60.0 |
| Life Expectancy at Birth              | 65.6 |
| Cognitively Disabled                  | 36.6 |
| Physically Disabled                   | 54.0 |
| Heart Attack ER Admissions            | 71.9 |
| Mental Health Not Good                | 49.5 |
| Chronic Kidney Disease                | 45.1 |
| Obesity                               | 64.2 |
| Pedestrian Injuries                   | 86.2 |
| Physical Health Not Good              | 49.1 |
| Stroke                                | 45.2 |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 20.5 |
| Current Smoker                        | 50.3 |
| No Leisure Time for Physical Activity | 46.8 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 28.6 |
| Elderly                               | 57.9 |
| English Speaking                      | 31.4 |
| Foreign-born                          | 75.2 |

|                                  |      |
|----------------------------------|------|
| Outdoor Workers                  | 25.4 |
| Climate Change Adaptive Capacity | —    |
| Impervious Surface Cover         | 32.5 |
| Traffic Density                  | 86.5 |
| Traffic Access                   | 54.4 |
| Other Indices                    | —    |
| Hardship                         | 68.7 |
| Other Decision Support           | —    |
| 2016 Voting                      | 66.6 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 55.0000                         |
| Healthy Places Index Score for Project Location (b)                                 | 62.0000                         |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535)           | No                              |
| Project Located in a Low-Income Community (Assembly Bill 1550)                      | No                              |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No                              |

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    | Mod           |
| Construction: Off-Road Equipment     | Mod           |
| Construction: Trips and VMT          | Mod           |
| Construction: Architectural Coatings | Low VOC       |

## 8.4. Construction

### 8.4.1. Construction Phases

| Phase Type            | Phase Name            | Model Parameter     | Default Value | New Value  |
|-----------------------|-----------------------|---------------------|---------------|------------|
| Demolition            | Demolition            | End Date            | 2/13/2027     | 1/20/2027  |
| Demolition            | Demolition            | Work Days per Phase | 30.0000       | 13.0000    |
| Site Preparation      | Site Preparation      | Start Date          | 2/14/2027     | 1/20/2027  |
| Site Preparation      | Site Preparation      | End Date            | 3/14/2027     | 2/1/2027   |
| Site Preparation      | Site Preparation      | Work Days per Phase | 20.0000       | 9.00000    |
| Grading               | Grading               | Start Date          | 3/15/2027     | 2/1/2027   |
| Grading               | Grading               | End Date            | 5/17/2027     | 2/25/2027  |
| Grading               | Grading               | Work Days per Phase | 45.0000       | 19.0000    |
| Building Construction | Building Construction | Start Date          | 5/18/2027     | 2/25/2027  |
| Building Construction | Building Construction | End Date            | 1/23/2029     | 11/16/2027 |
| Building Construction | Building Construction | Work Days per Phase | 440.000       | 189.000    |
| Paving                | Paving                | Start Date          | 1/24/2029     | 11/16/2027 |
| Paving                | Paving                | End Date            | 3/14/2029     | 12/6/2027  |
| Paving                | Paving                | Work Days per Phase | 35.0000       | 15.0000    |
| Architectural Coating | Architectural Coating | Start Date          | 3/15/2029     | 12/6/2027  |
| Architectural Coating | Architectural Coating | End Date            | 5/3/2029      | 12/24/2027 |

|                       |                       |                     |         |         |
|-----------------------|-----------------------|---------------------|---------|---------|
| Architectural Coating | Architectural Coating | Work Days per Phase | 35.0000 | 15.0000 |
|-----------------------|-----------------------|---------------------|---------|---------|

#### 8.4.2. Off-Road Equipment

| Phase Name            | Equipment Type            | Model Parameter | Default Value | New Value |
|-----------------------|---------------------------|-----------------|---------------|-----------|
| Demolition            | Concrete/Industrial Saws  | Number per Day  | 1.000000      | 2.00000   |
| Demolition            | Excavators                | Number per Day  | 3.00000       | 7.00000   |
| Demolition            | Rubber Tired Dozers       | Number per Day  | 2.00000       | 5.00000   |
| Site Preparation      | Rubber Tired Dozers       | Number per Day  | 3.00000       | 7.00000   |
| Site Preparation      | Tractors/Loaders/Backhoes | Number per Day  | 4.00000       | 9.00000   |
| Grading               | Excavators                | Number per Day  | 2.00000       | 5.00000   |
| Grading               | Graders                   | Number per Day  | 1.000000      | 2.00000   |
| Grading               | Rubber Tired Dozers       | Number per Day  | 1.000000      | 2.00000   |
| Grading               | Scrapers                  | Number per Day  | 2.00000       | 5.00000   |
| Grading               | Tractors/Loaders/Backhoes | Number per Day  | 2.00000       | 5.00000   |
| Building Construction | Cranes                    | Number per Day  | 1.000000      | 2.00000   |
| Building Construction | Forklifts                 | Number per Day  | 3.00000       | 7.00000   |
| Building Construction | Generator Sets            | Number per Day  | 1.000000      | 2.00000   |
| Building Construction | Tractors/Loaders/Backhoes | Number per Day  | 3.00000       | 7.00000   |
| Building Construction | Welders                   | Number per Day  | 1.000000      | 2.00000   |
| Paving                | Pavers                    | Number per Day  | 2.00000       | 5.00000   |
| Paving                | Paving Equipment          | Number per Day  | 2.00000       | 5.00000   |
| Paving                | Rollers                   | Number per Day  | 2.00000       | 5.00000   |
| Architectural Coating | Air Compressors           | Number per Day  | 1.000000      | 2.00000   |

#### 8.4.4. Dust from Material Movement

| Phase Name       | Model Parameter    | Units       | Default Value | New Value |
|------------------|--------------------|-------------|---------------|-----------|
| Site Preparation | Material Exported  | Cubic Yards | —             | 15,000.0  |
| Site Preparation | Total Acres Graded | acres       | 70.0000       | 30.0000   |

|         |                    |             |         |          |
|---------|--------------------|-------------|---------|----------|
| Grading | Material Exported  | Cubic Yards | —       | 35,000.0 |
| Grading | Total Acres Graded | acres       | 315.000 | 135.000  |

#### 8.4.6. Trips and VMT

| Phase Name            | Trip Type | Model Parameter       | Default Value | New Value |
|-----------------------|-----------|-----------------------|---------------|-----------|
| Demolition            | Worker    | One-Way Trips per Day | 35.0000       | 38.0000   |
| Site Preparation      | Worker    | One-Way Trips per Day | 40.0000       | 42.0000   |
| Grading               | Worker    | One-Way Trips per Day | 47.5000       | 48.0000   |
| Building Construction | Worker    | One-Way Trips per Day | 623.456       | 1,450.00  |
| Building Construction | Vendor    | One-Way Trips per Day | 133.395       | 309.000   |
| Paving                | Worker    | One-Way Trips per Day | 37.5000       | 36.0000   |
| Architectural Coating | Worker    | One-Way Trips per Day | 124.691       | 292.000   |

#### 8.4.8. Architectural Coatings

| Phase Name            | Model Parameter              | Units | Default Value | New Value |
|-----------------------|------------------------------|-------|---------------|-----------|
| Architectural Coating | Residential Interior VOC     | g/L   | 50.0000       | 10.00000  |
| Architectural Coating | Non-Residential Interior VOC | g/L   | 100.0000      | 50.0000   |
| Architectural Coating | Residential Exterior VOC     | g/L   | 50.0000       | 10.00000  |
| Architectural Coating | Non-Residential Exterior VOC | g/L   | 100.0000      | 50.0000   |
| Architectural Coating | VOC for Parking Paint        | g/L   | 100.0000      | 10.00000  |

# Costa Mesa Operation Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                  |
|-----------------------------|----------------------------------------|
| Project Name                | Costa Mesa Operation                   |
| Operational Year            | 2050                                   |
| Lead Agency                 | —                                      |
| Land Use Scale              | Project/site                           |
| Analysis Level for Defaults | County                                 |
| Windspeed (m/s)             | 2.50000                                |
| Precipitation (days)        | 19.6000                                |
| Location                    | 33.65724673556326, -117.91388094739006 |
| County                      | Orange                                 |
| City                        | Costa Mesa                             |
| Air District                | South Coast AQMD                       |
| Air Basin                   | South Coast                            |
| TAZ                         | 5940                                   |
| EDFZ                        | 7                                      |
| Electric Utility            | Southern California Edison             |
| Gas Utility                 | Southern California Gas                |
| 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 |
|---------------------|----------|---------------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Apartments Mid Rise | 22,100.0 | Dwelling Unit | 581.579     | 21,216,000            | 0.00000                | —                              | 65,858.0   | —           |

|                          |          |          |         |           |           |   |   |   |
|--------------------------|----------|----------|---------|-----------|-----------|---|---|---|
| General Office Building  | 1,700.86 | 1000sqft | 39.0463 | 1,700,858 | 0.00000   | — | — | — |
| Regional Shopping Center | 4,996.27 | 1000sqft | 114.699 | 4,996,270 | 0.00000   | — | — | — |
| Hotel                    | 2,126.00 | Room     | 70.8667 | 637,822   | 0.00000   | — | — | — |
| Parking Lot              | 5.00000  | Acre     | 5.00000 | 0.00000   | 0.00000   | — | — | — |
| Day-Care Center          | 106.304  | 1000sqft | 2.44040 | 106,304   | 0.00000   | — | — | — |
| Place of Worship         | 425.214  | 1000sqft | 9.76158 | 425,214   | -1.000000 | — | — | — |
| Medical Office Building  | 531.518  | 1000sqft | 12.2020 | 531,518   | 0.00000   | — | — | — |
| Health Club              | 2,232.38 | 1000sqft | 51.2483 | 2,232,376 | 0.00000   | — | — | — |

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

No measures selected

## 2. Emissions Summary

### 2.4. 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.              | 1,817.55 | 1,726.36 | 851.134 | 7,357.53 | 17.6931 | 42.6755 | 1,738.42 | 1,781.09 | 41.9996 | 440.940 | 482.940 | 27,842.8 | 2,231,064 | 2,258,907 | 2,890.47 | 70.3115 | 1,373.66 | 2,353,495 |
| Daily, Winter (Max) | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | —        | —         |
| Unmit.              | 1,623.52 | 1,544.35 | 870.320 | 5,341.68 | 17.0320 | 41.2974 | 1,738.42 | 1,779.71 | 40.9577 | 440.940 | 481.898 | 27,842.8 | 2,167,244 | 2,195,087 | 2,892.74 | 73.0521 | 1,207.91 | 2,290,383 |
| Average Daily (Max) | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | —        | —         |

|              |          |          |         |          |         |         |          |          |         |         |         |          |          |          |          |         |          |          |
|--------------|----------|----------|---------|----------|---------|---------|----------|----------|---------|---------|---------|----------|----------|----------|----------|---------|----------|----------|
| Unmit.       | 1,569.15 | 1,509.10 | 497.858 | 5,540.81 | 12.6473 | 16.4603 | 1,400.28 | 1,416.74 | 15.9523 | 355.240 | 371.192 | 27,842.8 | 1,528,12 | 1,555,96 | 2,874.37 | 61.2499 | 1,263.44 | 1,647,33 |
| Annual (Max) | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —        | —        | —        | —       | —        | —        |
| Unmit.       | 286.370  | 275.410  | 90.8590 | 1,011.20 | 2.30813 | 3.00400 | 255.552  | 258.556  | 2.91129 | 64.8313 | 67.7426 | 4,609.69 | 252,998  | 257,608  | 475.884  | 10.1406 | 209.176  | 272,736  |

## 2.5. 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              | 822.882  | 770.333  | 384.423 | 5,418.44 | 14.7535 | 5.09797 | 1,738.42 | 1,743.51 | 4.75847 | 440.940 | 445.699 | —        | 1,502,360 | 1,502,360 | 57.9092  | 58.5435 | 170.156  | 1,521,423 |
| Area                | 980.888  | 949.139  | 345.405 | 1,862.88 | 2.18796 | 28.0576 | —        | 28.0576  | 27.7212 | —       | 27.7212 | 0.00000  | 424,055   | 424,055   | 8.10578  | 0.83272 | —        | 424,506   |
| Energy              | 13.7789  | 6.88943  | 121.306 | 76.2107  | 0.75157 | 9.51994 | —        | 9.51994  | 9.51994 | —       | 9.51994 | —        | 296,030   | 296,030   | 31.7741  | 2.52955 | —        | 297,578   |
| Water               | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 3,395.99 | 8,619.64  | 12,015.6  | 349.311  | 8.40581 | —        | 23,253.3  |
| Waste               | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 24,446.8 | 0.00000   | 24,446.8  | 2,443.37 | 0.00000 | —        | 85,531.0  |
| Refrig.             | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | 1,203.50 | 1,203.50  |
| Total               | 1,817.55 | 1,726.36 | 851.134 | 7,357.53 | 17.6931 | 42.6755 | 1,738.42 | 1,781.09 | 41.9996 | 440.940 | 482.940 | 27,842.8 | 2,231,064 | 2,258,907 | 2,890.47 | 70.3115 | 1,373.66 | 2,353,495 |
| Daily, Winter (Max) | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | —        | —         |
| Mobile              | 826.197  | 773.222  | 419.073 | 5,125.07 | 14.1745 | 5.10144 | 1,738.42 | 1,743.52 | 4.76179 | 440.940 | 445.702 | —        | 1,443,793 | 1,443,793 | 60.3995  | 61.3282 | 4.41279  | 1,463,583 |
| Area                | 783.543  | 764.238  | 329.940 | 140.400  | 2.10600 | 26.6760 | —        | 26.6760  | 26.6760 | —       | 26.6760 | 0.00000  | 418,802   | 418,802   | 7.88590  | 0.78859 | —        | 419,234   |
| Energy              | 13.7789  | 6.88943  | 121.306 | 76.2107  | 0.75157 | 9.51994 | —        | 9.51994  | 9.51994 | —       | 9.51994 | —        | 296,030   | 296,030   | 31.7741  | 2.52955 | —        | 297,578   |
| Water               | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 3,395.99 | 8,619.64  | 12,015.6  | 349.311  | 8.40581 | —        | 23,253.3  |
| Waste               | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 24,446.8 | 0.00000   | 24,446.8  | 2,443.37 | 0.00000 | —        | 85,531.0  |
| Refrig.             | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | 1,203.50 | 1,203.50  |

|               |          |          |         |          |         |         |          |          |         |         |         |          |           |           |          |         |          |           |
|---------------|----------|----------|---------|----------|---------|---------|----------|----------|---------|---------|---------|----------|-----------|-----------|----------|---------|----------|-----------|
| Total         | 1,623.52 | 1,544.35 | 870.320 | 5,341.68 | 17.0320 | 41.2974 | 1,738.42 | 1,779.71 | 40.9577 | 440.940 | 481.898 | 27,842.8 | 2,167,244 | 2,195,087 | 2,892.74 | 73.0521 | 1,207.91 | 2,290,383 |
| Average Daily | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | —        | —         |
| Mobile        | 672.628  | 629.307  | 343.360 | 4,275.19 | 11.6953 | 4.16688 | 1,400.28 | 1,404.45 | 3.88935 | 355.240 | 359.130 | —        | 1,191,188 | 1,191,188 | 49.2230  | 50.2303 | 59.9363  | 1,207,447 |
| Area          | 882.745  | 872.900  | 33.1911 | 1,189.40 | 0.20039 | 2.77345 | —        | 2.77345  | 2.54301 | —       | 2.54301 | 0.00000  | 32,283.3  | 32,283.3  | 0.69073  | 0.08424 | —        | 32,325.7  |
| Energy        | 13.7789  | 6.88943  | 121.306 | 76.2107  | 0.75157 | 9.51994 | —        | 9.51994  | 9.51994 | —       | 9.51994 | —        | 296,030   | 296,030   | 31.7741  | 2.52955 | —        | 297,578   |
| Water         | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 3,395.99 | 8,619.64  | 12,015.6  | 349.311  | 8.40581 | —        | 23,253.3  |
| Waste         | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 24,446.8 | 0.00000   | 24,446.8  | 2,443.37 | 0.00000 | —        | 85,531.0  |
| Refrig.       | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | 1,203.50 | 1,203.50  |
| Total         | 1,569.15 | 1,509.10 | 497.858 | 5,540.81 | 12.6473 | 16.4603 | 1,400.28 | 1,416.74 | 15.9523 | 355.240 | 371.192 | 27,842.8 | 1,528,121 | 1,555,964 | 2,874.37 | 61.2499 | 1,263.44 | 1,647,339 |
| Annual        | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | —        | —         |
| Mobile        | 122.755  | 114.848  | 62.6632 | 780.223  | 2.13440 | 0.76046 | 255.552  | 256.312  | 0.70981 | 64.8313 | 65.5411 | —        | 197,215   | 197,215   | 8.14943  | 8.31620 | 9.92315  | 199,907   |
| Area          | 161.101  | 159.304  | 6.05738 | 217.066  | 0.03657 | 0.50615 | —        | 0.50615  | 0.46410 | —       | 0.46410 | 0.00000  | 5,344.87  | 5,344.87  | 0.11436  | 0.01395 | —        | 5,351.89  |
| Energy        | 2.51464  | 1.25732  | 22.1384 | 13.9085  | 0.13716 | 1.73739 | —        | 1.73739  | 1.73739 | —       | 1.73739 | —        | 49,011.1  | 49,011.1  | 5.26056  | 0.41880 | —        | 49,267.4  |
| Water         | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 562.246  | 1,427.08  | 1,989.33  | 57.8324  | 1.39168 | —        | 3,849.86  |
| Waste         | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | 4,047.44 | 0.00000   | 4,047.44  | 404.528  | 0.00000 | —        | 14,160.6  |
| Refrig.       | —        | —        | —       | —        | —       | —       | —        | —        | —       | —       | —       | —        | —         | —         | —        | —       | 199.253  | 199.253   |
| Total         | 286.370  | 275.410  | 90.8590 | 1,011.20 | 2.30813 | 3.00400 | 255.552  | 258.556  | 2.91129 | 64.8313 | 67.7426 | 4,609.69 | 252,998   | 257,608   | 475.884  | 10.1406 | 209.176  | 272,736   |

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. 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)      | —       | —       | —       | —        | —       | —       | —        | —        | —       | —       | —       | — | —         | —         | —       | —       | —       | —         |
| Apartments Mid Rise      | 200.312 | 185.132 | 103.234 | 1,565.33 | 4.53169 | 1.51830 | 539.709  | 541.227  | 1.41783 | 136.895 | 138.312 | — | 461,380   | 461,380   | 15.4714 | 16.3330 | 52.8268 | 466,687   |
| General Office Building  | 26.8510 | 24.8510 | 13.6973 | 206.232  | 0.59374 | 0.19948 | 70.6455  | 70.8450  | 0.18627 | 17.9189 | 18.1051 | — | 60,450.2  | 60,450.2  | 2.05382 | 2.15899 | 6.91479 | 61,151.9  |
| Regional Shopping Center | 393.860 | 373.386 | 165.086 | 2,110.97 | 5.21986 | 1.89689 | 603.819  | 605.716  | 1.76932 | 153.156 | 154.925 | — | 531,706   | 531,706   | 25.0248 | 23.9432 | 59.1019 | 539,526   |
| Hotel                    | 25.0327 | 23.1681 | 12.7697 | 192.266  | 0.55353 | 0.18597 | 65.8614  | 66.0473  | 0.17365 | 16.7054 | 16.8791 | — | 56,356.6  | 56,356.6  | 1.91474 | 2.01278 | 6.44652 | 57,010.7  |
| Parking Lot              | 0.00000 | 0.00000 | 0.00000 | 0.00000  | 0.00000 | 0.00000 | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | — | 0.00000   | 0.00000   | 0.00000 | 0.00000 | 0.00000 | 0.00000   |
| Day-Care Center          | 7.56723 | 7.14404 | 3.29237 | 43.6340  | 0.11203 | 0.03991 | 13.0563  | 13.0962  | 0.03723 | 3.31167 | 3.34891 | — | 11,410.3  | 11,410.3  | 0.49797 | 0.48602 | 1.27796 | 11,568.8  |
| Place of Worship         | 23.1046 | 21.3836 | 11.7861 | 177.457  | 0.51089 | 0.17164 | 60.7885  | 60.9601  | 0.16028 | 15.4187 | 15.5790 | — | 52,015.8  | 52,015.8  | 1.76726 | 1.85775 | 5.94999 | 52,619.5  |
| Medical Office Building  | 36.4679 | 33.7516 | 18.6031 | 280.095  | 0.80639 | 0.27092 | 95.9477  | 96.2186  | 0.25298 | 24.3367 | 24.5896 | — | 82,101.0  | 82,101.0  | 2.78941 | 2.93225 | 9.39138 | 83,053.9  |
| Health Club              | 109.687 | 101.517 | 55.9535 | 842.459  | 2.42541 | 0.81486 | 288.587  | 289.402  | 0.76090 | 73.1988 | 73.9597 | — | 246,940   | 246,940   | 8.38987 | 8.81950 | 28.2470 | 249,806   |
| Total                    | 822.882 | 770.333 | 384.423 | 5,418.44 | 14.7535 | 5.09797 | 1,738.42 | 1,743.51 | 4.75847 | 440.940 | 445.699 | — | 1,502,360 | 1,502,360 | 57.9092 | 58.5435 | 170.156 | 1,521,423 |
| Daily, Winter (Max)      | —       | —       | —       | —        | —       | —       | —        | —        | —       | —       | —       | — | —         | —         | —       | —       | —       | —         |
| Apartments Mid Rise      | 200.759 | 185.551 | 112.613 | 1,453.99 | 4.35139 | 1.51909 | 539.709  | 541.228  | 1.41858 | 136.895 | 138.313 | — | 443,144   | 443,144   | 15.9839 | 17.0963 | 1.37000 | 448,639   |

|                          |         |         |         |          |         |         |          |          |         |         |         |   |           |           |         |         |         |           |
|--------------------------|---------|---------|---------|----------|---------|---------|----------|----------|---------|---------|---------|---|-----------|-----------|---------|---------|---------|-----------|
| General Office Building  | 26.9162 | 24.9114 | 14.9406 | 191.890  | 0.57014 | 0.19958 | 70.6455  | 70.8451  | 0.18637 | 17.9189 | 18.1052 | — | 58,063.8  | 58,063.8  | 2.12389 | 2.26006 | 0.17933 | 58,790.6  |
| Regional Shopping Center | 396.153 | 375.324 | 179.823 | 2,048.75 | 5.01975 | 1.89867 | 603.819  | 605.718  | 1.77102 | 153.156 | 154.927 | — | 511,469   | 511,469   | 26.4002 | 25.1088 | 1.53273 | 519,613   |
| Hotel                    | 25.0934 | 23.2244 | 13.9289 | 178.895  | 0.53153 | 0.18607 | 65.8614  | 66.0474  | 0.17375 | 16.7054 | 16.8792 | — | 54,131.7  | 54,131.7  | 1.98006 | 2.10701 | 0.16718 | 54,809.3  |
| Parking Lot              | 0.00000 | 0.00000 | 0.00000 | 0.00000  | 0.00000 | 0.00000 | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | — | 0.00000   | 0.00000   | 0.00000 | 0.00000 | 0.00000 | 0.00000   |
| Day-Care Center          | 7.60678 | 7.17774 | 3.58730 | 41.9402  | 0.10769 | 0.03994 | 13.0563  | 13.0963  | 0.03727 | 3.31167 | 3.34894 | — | 10,971.7  | 10,971.7  | 0.52322 | 0.50948 | 0.03314 | 11,136.7  |
| Place of Worship         | 23.1606 | 21.4356 | 12.8560 | 165.116  | 0.49059 | 0.17173 | 60.7885  | 60.9602  | 0.16037 | 15.4187 | 15.5791 | — | 49,962.3  | 49,962.3  | 1.82755 | 1.94472 | 0.15431 | 50,587.7  |
| Medical Office Building  | 36.5564 | 33.8336 | 20.2918 | 260.616  | 0.77434 | 0.27106 | 95.9477  | 96.2188  | 0.25312 | 24.3367 | 24.5898 | — | 78,859.8  | 78,859.8  | 2.88457 | 3.06952 | 0.24355 | 79,846.9  |
| Health Club              | 109.953 | 101.763 | 61.0327 | 783.871  | 2.32903 | 0.81529 | 288.587  | 289.403  | 0.76132 | 73.1988 | 73.9601 | — | 237,191   | 237,191   | 8.67610 | 9.23237 | 0.73255 | 240,160   |
| Total                    | 826.197 | 773.222 | 419.073 | 5,125.07 | 14.1745 | 5.10144 | 1,738.42 | 1,743.52 | 4.76179 | 440.940 | 445.702 | — | 1,443,793 | 1,443,793 | 60.3995 | 61.3282 | 4.41279 | 1,463,583 |
| Annual                   | —       | —       | —       | —        | —       | —       | —        | —        | —       | —       | —       | — | —         | —         | —       | —       | —       | —         |
| Apartments Mid Rise      | 34.5029 | 31.8623 | 19.5936 | 258.266  | 0.76363 | 0.26357 | 92.4907  | 92.7542  | 0.24613 | 23.4641 | 23.7102 | — | 70,544.3  | 70,544.3  | 2.50333 | 2.69640 | 3.59144 | 71,414.0  |
| General Office Building  | 3.68173 | 3.40467 | 2.06848 | 27.1200  | 0.07964 | 0.02756 | 9.63671  | 9.66428  | 0.02574 | 2.44475 | 2.47049 | — | 7,357.38  | 7,357.38  | 0.26473 | 0.28368 | 0.37420 | 7,448.91  |
| Regional Shopping Center | 56.0179 | 53.1601 | 25.0448 | 286.189  | 0.68052 | 0.25770 | 79.5762  | 79.8339  | 0.24033 | 20.1878 | 20.4281 | — | 62,903.5  | 62,903.5  | 3.33750 | 3.15152 | 3.08997 | 63,929.2  |
| Hotel                    | 4.33469 | 4.00850 | 2.43533 | 31.9298  | 0.09377 | 0.03245 | 11.3458  | 11.3783  | 0.03030 | 2.87833 | 2.90864 | — | 8,662.23  | 8,662.23  | 0.31168 | 0.33399 | 0.44056 | 8,769.99  |

|                         |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Parking Lot             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Day-Care Center         | 1.03540 | 0.97541 | 0.49686 | 5.95766 | 0.01538 | 0.00562 | 1.82500 | 1.83062 | 0.00524 | 0.46299 | 0.46823 | — | 1,421.71 | 1,421.71 | 0.06534 | 0.06440 | 0.07087 | 1,442.61 |
| Place of Worship        | 1.47948 | 1.36815 | 0.83121 | 10.8980 | 0.03200 | 0.01108 | 3.87245 | 3.88353 | 0.01034 | 0.98241 | 0.99275 | — | 2,956.52 | 2,956.52 | 0.10638 | 0.11400 | 0.15037 | 2,993.30 |
| Medical Office Building | 4.98928 | 4.61382 | 2.80309 | 36.7516 | 0.10793 | 0.03735 | 13.0591 | 13.0965 | 0.03488 | 3.31300 | 3.34788 | — | 9,970.33 | 9,970.33 | 0.35875 | 0.38443 | 0.50709 | 10,094.4 |
| Health Club             | 16.7132 | 15.4555 | 9.38986 | 123.111 | 0.36153 | 0.12512 | 43.7458 | 43.8710 | 0.11684 | 11.0979 | 11.2148 | — | 33,398.8 | 33,398.8 | 1.20173 | 1.28778 | 1.69866 | 33,814.3 |
| Total                   | 122.755 | 114.848 | 62.6632 | 780.223 | 2.13440 | 0.76046 | 255.552 | 256.312 | 0.70981 | 64.8313 | 65.5411 | — | 197,215  | 197,215  | 8.14943 | 8.31620 | 9.92315 | 199,907  |

## 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)      | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 57,884.2 | 57,884.2 | 7.32464 | 0.88783 | — | 58,331.9 |
| General Office Building  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 21,656.0 | 21,656.0 | 2.74034 | 0.33216 | — | 21,823.5 |
| Regional Shopping Center | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 35,060.1 | 35,060.1 | 4.43648 | 0.53776 | — | 35,331.2 |
| Hotel                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 6,377.16 | 6,377.16 | 0.80696 | 0.09781 | — | 6,426.48 |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |          |          |         |         |   |          |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----------|----------|---------|---------|---|----------|
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | — | 136.319  | 136.319  | 0.01725 | 0.00209 | — | 137.373  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | 475.036  | 475.036  | 0.06011 | 0.00729 | — | 478.710  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | 2,914.37 | 2,914.37 | 0.36878 | 0.04470 | — | 2,936.91 |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | 6,767.49 | 6,767.49 | 0.85635 | 0.10380 | — | 6,819.83 |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | — | 15,300.5 | 15,300.5 | 1.93611 | 0.23468 | — | 15,418.8 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | — | 146,571  | 146,571  | 18.5470 | 2.24813 | — | 147,705  |
| Daily, Winter (Max)      | — | — | — | — | — | — | — | — | — | — | — | — | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | — | 57,884.2 | 57,884.2 | 7.32464 | 0.88783 | — | 58,331.9 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | 21,656.0 | 21,656.0 | 2.74034 | 0.33216 | — | 21,823.5 |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | — | 35,060.1 | 35,060.1 | 4.43648 | 0.53776 | — | 35,331.2 |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | — | 6,377.16 | 6,377.16 | 0.80696 | 0.09781 | — | 6,426.48 |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | — | 136.319  | 136.319  | 0.01725 | 0.00209 | — | 137.373  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | 475.036  | 475.036  | 0.06011 | 0.00729 | — | 478.710  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | 2,914.37 | 2,914.37 | 0.36878 | 0.04470 | — | 2,936.91 |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |          |          |         |         |   |          |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----------|----------|---------|---------|---|----------|
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | 6,767.49 | 6,767.49 | 0.85635 | 0.10380 | — | 6,819.83 |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | — | 15,300.5 | 15,300.5 | 1.93611 | 0.23468 | — | 15,418.8 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | — | 146,571  | 146,571  | 18.5470 | 2.24813 | — | 147,705  |
| Annual                   | — | — | — | — | — | — | — | — | — | — | — | — | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | — | 9,583.39 | 9,583.39 | 1.21268 | 0.14699 | — | 9,657.51 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | 3,585.39 | 3,585.39 | 0.45369 | 0.05499 | — | 3,613.12 |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | — | 5,804.59 | 5,804.59 | 0.73451 | 0.08903 | — | 5,849.49 |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | — | 1,055.81 | 1,055.81 | 0.13360 | 0.01619 | — | 1,063.98 |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | — | 22.5692  | 22.5692  | 0.00286 | 0.00035 | — | 22.7437  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | 78.6476  | 78.6476  | 0.00995 | 0.00121 | — | 79.2559  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | 482.507  | 482.507  | 0.06106 | 0.00740 | — | 486.239  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | 1,120.43 | 1,120.43 | 0.14178 | 0.01719 | — | 1,129.10 |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | — | 2,533.17 | 2,533.17 | 0.32055 | 0.03885 | — | 2,552.76 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | — | 24,266.5 | 24,266.5 | 3.07067 | 0.37220 | — | 24,454.2 |

#### 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)      | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | 7.25241 | 3.62621 | 61.9752 | 26.3724 | 0.39559 | 5.01076 | —     | 5.01076 | 5.01076 | —      | 5.01076 | —    | 78,666.7 | 78,666.7 | 6.96197 | 0.14813 | — | 78,884.9 |
| General Office Building  | 1.27375 | 0.63688 | 11.5796 | 9.72684 | 0.06948 | 0.88005 | —     | 0.88005 | 0.88005 | —      | 0.88005 | —    | 13,816.4 | 13,816.4 | 1.22274 | 0.02602 | — | 13,854.7 |
| Regional Shopping Center | 0.88379 | 0.44190 | 8.03449 | 6.74897 | 0.04821 | 0.61062 | —     | 0.61062 | 0.61062 | —      | 0.61062 | —    | 9,586.48 | 9,586.48 | 0.84840 | 0.01805 | — | 9,613.07 |
| Hotel                    | 0.54409 | 0.27205 | 4.94628 | 4.15488 | 0.02968 | 0.37592 | —     | 0.37592 | 0.37592 | —      | 0.37592 | —    | 5,901.74 | 5,901.74 | 0.52230 | 0.01111 | — | 5,918.11 |
| Parking Lot              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —     | 0.00000 | 0.00000 | —      | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | 0.06590 | 0.03295 | 0.59905 | 0.50320 | 0.00359 | 0.04553 | —     | 0.04553 | 0.04553 | —      | 0.04553 | —    | 714.761  | 714.761  | 0.06326 | 0.00135 | — | 716.744  |
| Place of Worship         | 0.53774 | 0.26887 | 4.88853 | 4.10636 | 0.02933 | 0.37153 | —     | 0.37153 | 0.37153 | —      | 0.37153 | —    | 5,832.83 | 5,832.83 | 0.51620 | 0.01098 | — | 5,849.01 |
| Medical Office Building  | 0.39805 | 0.19902 | 3.61862 | 3.03964 | 0.02171 | 0.27501 | —     | 0.27501 | 0.27501 | —      | 0.27501 | —    | 4,317.61 | 4,317.61 | 0.38211 | 0.00813 | — | 4,329.59 |
| Health Club              | 2.82313 | 1.41156 | 25.6648 | 21.5584 | 0.15399 | 1.95052 | —     | 1.95052 | 1.95052 | —      | 1.95052 | —    | 30,622.4 | 30,622.4 | 2.71007 | 0.05766 | — | 30,707.3 |
| Total                    | 13.7789 | 6.88943 | 121.306 | 76.2107 | 0.75157 | 9.51994 | —     | 9.51994 | 9.51994 | —      | 9.51994 | —    | 149,459  | 149,459  | 13.2270 | 0.28143 | — | 149,873  |
| Daily, Winter (Max)      | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | 7.25241 | 3.62621 | 61.9752 | 26.3724 | 0.39559 | 5.01076 | —     | 5.01076 | 5.01076 | —      | 5.01076 | —    | 78,666.7 | 78,666.7 | 6.96197 | 0.14813 | — | 78,884.9 |

|                          |         |         |         |         |         |         |   |         |         |   |         |   |          |          |         |         |   |          |
|--------------------------|---------|---------|---------|---------|---------|---------|---|---------|---------|---|---------|---|----------|----------|---------|---------|---|----------|
| General Office Building  | 1.27375 | 0.63688 | 11.5796 | 9.72684 | 0.06948 | 0.88005 | — | 0.88005 | 0.88005 | — | 0.88005 | — | 13,816.4 | 13,816.4 | 1.22274 | 0.02602 | — | 13,854.7 |
| Regional Shopping Center | 0.88379 | 0.44190 | 8.03449 | 6.74897 | 0.04821 | 0.61062 | — | 0.61062 | 0.61062 | — | 0.61062 | — | 9,586.48 | 9,586.48 | 0.84840 | 0.01805 | — | 9,613.07 |
| Hotel                    | 0.54409 | 0.27205 | 4.94628 | 4.15488 | 0.02968 | 0.37592 | — | 0.37592 | 0.37592 | — | 0.37592 | — | 5,901.74 | 5,901.74 | 0.52230 | 0.01111 | — | 5,918.11 |
| Parking Lot              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | 0.06590 | 0.03295 | 0.59905 | 0.50320 | 0.00359 | 0.04553 | — | 0.04553 | 0.04553 | — | 0.04553 | — | 714.761  | 714.761  | 0.06326 | 0.00135 | — | 716.744  |
| Place of Worship         | 0.53774 | 0.26887 | 4.88853 | 4.10636 | 0.02933 | 0.37153 | — | 0.37153 | 0.37153 | — | 0.37153 | — | 5,832.83 | 5,832.83 | 0.51620 | 0.01098 | — | 5,849.01 |
| Medical Office Building  | 0.39805 | 0.19902 | 3.61862 | 3.03964 | 0.02171 | 0.27501 | — | 0.27501 | 0.27501 | — | 0.27501 | — | 4,317.61 | 4,317.61 | 0.38211 | 0.00813 | — | 4,329.59 |
| Health Club              | 2.82313 | 1.41156 | 25.6648 | 21.5584 | 0.15399 | 1.95052 | — | 1.95052 | 1.95052 | — | 1.95052 | — | 30,622.4 | 30,622.4 | 2.71007 | 0.05766 | — | 30,707.3 |
| Total                    | 13.7789 | 6.88943 | 121.306 | 76.2107 | 0.75157 | 9.51994 | — | 9.51994 | 9.51994 | — | 9.51994 | — | 149,459  | 149,459  | 13.2270 | 0.28143 | — | 149,873  |
| Annual                   | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | — | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | 1.32357 | 0.66178 | 11.3105 | 4.81297 | 0.07219 | 0.91446 | — | 0.91446 | 0.91446 | — | 0.91446 | — | 13,024.2 | 13,024.2 | 1.15263 | 0.02452 | — | 13,060.3 |
| General Office Building  | 0.23246 | 0.11623 | 2.11327 | 1.77515 | 0.01268 | 0.16061 | — | 0.16061 | 0.16061 | — | 0.16061 | — | 2,287.46 | 2,287.46 | 0.20244 | 0.00431 | — | 2,293.80 |
| Regional Shopping Center | 0.16129 | 0.08065 | 1.46629 | 1.23169 | 0.00880 | 0.11144 | — | 0.11144 | 0.11144 | — | 0.11144 | — | 1,587.15 | 1,587.15 | 0.14046 | 0.00299 | — | 1,591.55 |
| Hotel                    | 0.09930 | 0.04965 | 0.90270 | 0.75826 | 0.00542 | 0.06860 | — | 0.06860 | 0.06860 | — | 0.06860 | — | 977.100  | 977.100  | 0.08647 | 0.00184 | — | 979.810  |
| Parking Lot              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |

|                         |         |         |         |         |         |         |   |         |         |   |         |   |          |          |         |         |   |          |
|-------------------------|---------|---------|---------|---------|---------|---------|---|---------|---------|---|---------|---|----------|----------|---------|---------|---|----------|
| Day-Car Center          | 0.01203 | 0.00601 | 0.10933 | 0.09183 | 0.00066 | 0.00831 | — | 0.00831 | 0.00831 | — | 0.00831 | — | 118.337  | 118.337  | 0.01047 | 0.00022 | — | 118.665  |
| Place of Worship        | 0.09814 | 0.04907 | 0.89216 | 0.74941 | 0.00535 | 0.06780 | — | 0.06780 | 0.06780 | — | 0.06780 | — | 965.691  | 965.691  | 0.08546 | 0.00182 | — | 968.370  |
| Medical Office Building | 0.07264 | 0.03632 | 0.66040 | 0.55473 | 0.00396 | 0.05019 | — | 0.05019 | 0.05019 | — | 0.05019 | — | 714.830  | 714.830  | 0.06326 | 0.00135 | — | 716.812  |
| Health Club             | 0.51522 | 0.25761 | 4.68382 | 3.93441 | 0.02810 | 0.35597 | — | 0.35597 | 0.35597 | — | 0.35597 | — | 5,069.88 | 5,069.88 | 0.44868 | 0.00955 | — | 5,083.95 |
| Total                   | 2.51464 | 1.25732 | 22.1384 | 13.9085 | 0.13716 | 1.73739 | — | 1.73739 | 1.73739 | — | 1.73739 | — | 24,744.6 | 24,744.6 | 2.18989 | 0.04659 | — | 24,813.3 |

### 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)    | —       | —       | —       | —        | —       | —       | —     | —       | —       | —      | —       | —       | —        | —        | —       | —       | — | —        |
| Hearths                | 38.6100 | 19.3050 | 329.940 | 140.400  | 2.10600 | 26.6760 | —     | 26.6760 | 26.6760 | —      | 26.6760 | 0.00000 | 418,802  | 418,802  | 7.88590 | 0.78859 | — | 419,234  |
| Consumer Products      | 681.529 | 681.529 | —       | —        | —       | —       | —     | —       | —       | —      | —       | —       | —        | —        | —       | —       | — | —        |
| Architectural Coatings | 63.4039 | 63.4039 | —       | —        | —       | —       | —     | —       | —       | —      | —       | —       | —        | —        | —       | —       | — | —        |
| Landscape Equipment    | 197.345 | 184.900 | 15.4651 | 1,722.48 | 0.08196 | 1.38164 | —     | 1.38164 | 1.04519 | —      | 1.04519 | —       | 5,253.49 | 5,253.49 | 0.21988 | 0.04413 | — | 5,272.14 |
| Total                  | 980.888 | 949.139 | 345.405 | 1,862.88 | 2.18796 | 28.0576 | —     | 28.0576 | 27.7212 | —      | 27.7212 | 0.00000 | 424,055  | 424,055  | 8.10578 | 0.83272 | — | 424,506  |

|                        |         |         |         |         |         |         |   |         |         |   |         |         |          |          |         |         |   |          |
|------------------------|---------|---------|---------|---------|---------|---------|---|---------|---------|---|---------|---------|----------|----------|---------|---------|---|----------|
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Hearths                | 38.6100 | 19.3050 | 329.940 | 140.400 | 2.10600 | 26.6760 | — | 26.6760 | 26.6760 | — | 26.6760 | 0.00000 | 418,802  | 418,802  | 7.88590 | 0.78859 | — | 419,234  |
| Consumer Products      | 681.529 | 681.529 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Architectural Coatings | 63.4039 | 63.4039 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Total                  | 783.543 | 764.238 | 329.940 | 140.400 | 2.10600 | 26.6760 | — | 26.6760 | 26.6760 | — | 26.6760 | 0.00000 | 418,802  | 418,802  | 7.88590 | 0.78859 | — | 419,234  |
| Annual                 | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Hearths                | 0.48263 | 0.24131 | 4.12425 | 1.75500 | 0.02632 | 0.33345 | — | 0.33345 | 0.33345 | — | 0.33345 | 0.00000 | 4,749.14 | 4,749.14 | 0.08942 | 0.00894 | — | 4,754.04 |
| Consumer Products      | 124.379 | 124.379 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Architectural Coatings | 11.5712 | 11.5712 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —        | —        | —       | —       | — | —        |
| Landscape Equipment    | 24.6681 | 23.1125 | 1.93313 | 215.311 | 0.01025 | 0.17270 | — | 0.17270 | 0.13065 | — | 0.13065 | —       | 595.737  | 595.737  | 0.02493 | 0.00500 | — | 597.851  |
| Total                  | 161.101 | 159.304 | 6.05738 | 217.066 | 0.03657 | 0.50615 | — | 0.50615 | 0.46410 | — | 0.46410 | 0.00000 | 5,344.87 | 5,344.87 | 0.11436 | 0.01395 | — | 5,351.89 |

## 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)      | — | — | — | — | — | — | — | — | — | — | — | —        | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | 1,589.17 | 4,033.59 | 5,622.76 | 163.461 | 3.93353 | — | 10,881.5 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | 579.278  | 1,470.31 | 2,049.59 | 59.5843 | 1.43384 | — | 3,966.48 |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | 709.173  | 1,800.01 | 2,509.18 | 72.9453 | 1.75535 | — | 4,855.91 |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | 103.342  | 262.301  | 365.643  | 10.6297 | 0.25579 | — | 707.613  |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | 0.00000  | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | 8.73672  | 22.1754  | 30.9121  | 0.89866 | 0.02163 | — | 59.8229  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | 25.4945  | 64.7098  | 90.2043  | 2.62236 | 0.06310 | — | 174.569  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | 127.804  | 324.389  | 452.192  | 13.1459 | 0.31634 | — | 875.108  |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | 253.000  | 642.160  | 895.160  | 26.0235 | 0.62623 | — | 1,732.36 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | 3,395.99 | 8,619.64 | 12,015.6 | 349.311 | 8.40581 | — | 23,253.3 |
| Daily, Winter (Max)      | — | — | — | — | — | — | — | — | — | — | — | —        | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | 1,589.17 | 4,033.59 | 5,622.76 | 163.461 | 3.93353 | — | 10,881.5 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | 579.278  | 1,470.31 | 2,049.59 | 59.5843 | 1.43384 | — | 3,966.48 |

|                          |   |   |   |   |   |   |   |   |   |   |   |          |          |          |         |         |   |          |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|----------|----------|----------|---------|---------|---|----------|
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | 709.173  | 1,800.01 | 2,509.18 | 72.9453 | 1.75535 | — | 4,855.91 |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | 103.342  | 262.301  | 365.643  | 10.6297 | 0.25579 | — | 707.613  |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | 0.00000  | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | 8.73672  | 22.1754  | 30.9121  | 0.89866 | 0.02163 | — | 59.8229  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | 25.4945  | 64.7098  | 90.2043  | 2.62236 | 0.06310 | — | 174.569  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | 127.804  | 324.389  | 452.192  | 13.1459 | 0.31634 | — | 875.108  |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | 253.000  | 642.160  | 895.160  | 26.0235 | 0.62623 | — | 1,732.36 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | 3,395.99 | 8,619.64 | 12,015.6 | 349.311 | 8.40581 | — | 23,253.3 |
| Annual                   | — | — | — | — | — | — | — | — | — | — | — | —        | —        | —        | —       | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | 263.105  | 667.807  | 930.912  | 27.0629 | 0.65124 | — | 1,801.55 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | 95.9060  | 243.427  | 339.333  | 9.86487 | 0.23739 | — | 656.696  |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | 117.412  | 298.012  | 415.423  | 12.0769 | 0.29062 | — | 803.951  |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | 17.1095  | 43.4269  | 60.5364  | 1.75988 | 0.04235 | — | 117.153  |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | 0.00000  | 0.00000  | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | 1.44646  | 3.67139  | 5.11785  | 0.14878 | 0.00358 | — | 9.90436  |

|                         |   |   |   |   |   |   |   |   |   |   |   |         |          |          |         |         |   |          |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---------|----------|----------|---------|---------|---|----------|
| Place of Worship        | — | — | — | — | — | — | — | — | — | — | — | 4.22091 | 10.7134  | 14.9344  | 0.43416 | 0.01045 | — | 28.9018  |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 21.1594 | 53.7063  | 74.8656  | 2.17645 | 0.05237 | — | 144.884  |
| Health Club             | — | — | — | — | — | — | — | — | — | — | — | 41.8870 | 106.317  | 148.204  | 4.30849 | 0.10368 | — | 286.813  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 562.246 | 1,427.08 | 1,989.33 | 57.8324 | 1.39168 | — | 3,849.86 |

## 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)      | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —        | —       | —        | —       | —       | — | —        |
| Apartments Mid Rise      | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 8,807.47 | 0.00000 | 8,807.47 | 880.275 | 0.00000 | — | 30,814.3 |
| General Office Building  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 852.492  | 0.00000 | 852.492  | 85.2035 | 0.00000 | — | 2,982.58 |
| Regional Shopping Center | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 2,827.32 | 0.00000 | 2,827.32 | 282.580 | 0.00000 | — | 9,891.82 |
| Hotel                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 627.317  | 0.00000 | 627.317  | 62.6980 | 0.00000 | — | 2,194.77 |
| Parking Lot              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00000  | 0.00000 | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Care Center          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 74.4785  | 0.00000 | 74.4785  | 7.44386 | 0.00000 | — | 260.575  |

|                          |   |   |   |   |   |   |   |   |   |   |   |          |         |          |          |         |   |          |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|----------|---------|----------|----------|---------|---|----------|
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | 1,306.24 | 0.00000 | 1,306.24 | 130.554  | 0.00000 | — | 4,570.08 |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | 3,093.72 | 0.00000 | 3,093.72 | 309.206  | 0.00000 | — | 10,823.9 |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | 6,857.75 | 0.00000 | 6,857.75 | 685.407  | 0.00000 | — | 23,992.9 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | 24,446.8 | 0.00000 | 24,446.8 | 2,443.37 | 0.00000 | — | 85,531.0 |
| Daily, Winter (Max)      | — | — | — | — | — | — | — | — | — | — | — | —        | —       | —        | —        | —       | — | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | 8,807.47 | 0.00000 | 8,807.47 | 880.275  | 0.00000 | — | 30,814.3 |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | 852.492  | 0.00000 | 852.492  | 85.2035  | 0.00000 | — | 2,982.58 |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | 2,827.32 | 0.00000 | 2,827.32 | 282.580  | 0.00000 | — | 9,891.82 |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | 627.317  | 0.00000 | 627.317  | 62.6980  | 0.00000 | — | 2,194.77 |
| Parking Lot              | — | — | — | — | — | — | — | — | — | — | — | 0.00000  | 0.00000 | 0.00000  | 0.00000  | 0.00000 | — | 0.00000  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | 74.4785  | 0.00000 | 74.4785  | 7.44386  | 0.00000 | — | 260.575  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | 1,306.24 | 0.00000 | 1,306.24 | 130.554  | 0.00000 | — | 4,570.08 |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | 3,093.72 | 0.00000 | 3,093.72 | 309.206  | 0.00000 | — | 10,823.9 |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | 6,857.75 | 0.00000 | 6,857.75 | 685.407  | 0.00000 | — | 23,992.9 |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | 24,446.8 | 0.00000 | 24,446.8 | 2,443.37 | 0.00000 | — | 85,531.0 |

|                                |   |   |   |   |   |   |   |   |   |   |   |          |         |          |         |         |   |          |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|----------|---------|----------|---------|---------|---|----------|
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | —        | —       | —        | —       | —       | — | —        |
| Apartments<br>Mid Rise         | — | — | — | — | — | — | — | — | — | — | — | 1,458.18 | 0.00000 | 1,458.18 | 145.740 | 0.00000 | — | 5,101.67 |
| General<br>Office<br>Building  | — | — | — | — | — | — | — | — | — | — | — | 141.140  | 0.00000 | 141.140  | 14.1064 | 0.00000 | — | 493.800  |
| Regional<br>Shopping<br>Center | — | — | — | — | — | — | — | — | — | — | — | 468.095  | 0.00000 | 468.095  | 46.7844 | 0.00000 | — | 1,637.70 |
| Hotel                          | — | — | — | — | — | — | — | — | — | — | — | 103.859  | 0.00000 | 103.859  | 10.3804 | 0.00000 | — | 363.369  |
| Parking<br>Lot                 | — | — | — | — | — | — | — | — | — | — | — | 0.00000  | 0.00000 | 0.00000  | 0.00000 | 0.00000 | — | 0.00000  |
| Day-Car<br>e<br>Center         | — | — | — | — | — | — | — | — | — | — | — | 12.3308  | 0.00000 | 12.3308  | 1.23242 | 0.00000 | — | 43.1411  |
| Place of<br>Worship            | — | — | — | — | — | — | — | — | — | — | — | 216.263  | 0.00000 | 216.263  | 21.6147 | 0.00000 | — | 756.629  |
| Medical<br>Office<br>Building  | — | — | — | — | — | — | — | — | — | — | — | 512.201  | 0.00000 | 512.201  | 51.1926 | 0.00000 | — | 1,792.02 |
| Health<br>Club                 | — | — | — | — | — | — | — | — | — | — | — | 1,135.38 | 0.00000 | 1,135.38 | 113.477 | 0.00000 | — | 3,972.30 |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 4,047.44 | 0.00000 | 4,047.44 | 404.528 | 0.00000 | — | 14,160.6 |

## 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)      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —        | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 151.949  | 151.949  |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.13649  | 4.13649  |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 23.9852  | 23.9852  |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 997.078  | 997.078  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.41064  | 0.41064  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.64254  | 1.64254  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 13.5813  | 13.5813  |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 10.7168  | 10.7168  |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,203.50 | 1,203.50 |
| Daily, Winter (Max)      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —        | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 151.949  | 151.949  |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.13649  | 4.13649  |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |          |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----------|
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 23.9852  | 23.9852  |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 997.078  | 997.078  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.41064  | 0.41064  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.64254  | 1.64254  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 13.5813  | 13.5813  |
| Health Club              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 10.7168  | 10.7168  |
| Total                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,203.50 | 1,203.50 |
| Annual                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —        | —        |
| Apartments Mid Rise      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 25.1569  | 25.1569  |
| General Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.68484  | 0.68484  |
| Regional Shopping Center | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3.97102  | 3.97102  |
| Hotel                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 165.078  | 165.078  |
| Day-Care Center          | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06799  | 0.06799  |
| Place of Worship         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.27194  | 0.27194  |
| Medical Office Building  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2.24854  | 2.24854  |

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---------|
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.77429 | 1.77429 |
| Total       | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 199.253 | 199.253 |

## 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)

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

## 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)

| Equipm<br>ent<br>Type     | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily,<br>Summer<br>(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 ent 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)

| Vegetati on | 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    |
|--------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-------------|
| Apartments Mid Rise      | 98,566.0      | 89,063.0       | 74,256.0     | 34,213,484 | 764,011     | 690,351      | 575,578    | 265,197,742 |
| General Office Building  | 13,317.7      | 3,027.53       | 952.480      | 3,679,648  | 100,006     | 22,734.4     | 7,152.38   | 27,631,270  |
| Regional Shopping Center | 181,814       | 222,134        | 101,624      | 64,283,253 | 626,004     | 854,765      | 391,046    | 228,168,263 |
| Hotel                    | 12,415.8      | 12,160.7       | 8,844.16     | 4,332,241  | 93,233.2    | 91,317.5     | 66,412.7   | 32,531,736  |
| Parking Lot              | 0.00000       | 0.00000        | 0.00000      | 0.00000    | 0.00000     | 0.00000      | 0.00000    | 0.00000     |
| Day-Care Center          | 4,177.73      | 545.338        | 512.383      | 1,144,347  | 18,482.5    | 4,095.06     | 3,847.60   | 5,232,809   |
| Place of Worship         | 2,882.95      | 2,483.25       | 11,459.5     | 1,478,644  | 21,648.7    | 18,647.3     | 86,052.1   | 11,103,455  |
| Medical Office Building  | 18,087.6      | 4,454.12       | 738.810      | 4,986,459  | 135,823     | 33,447.0     | 5,547.88   | 37,444,401  |
| Health Club              | 44,692.2      | 42,482.1       | 54,403.0     | 16,703,752 | 335,603     | 319,007      | 408,524    | 125,432,082 |

### 5.10. Operational Area Sources

#### 5.10.1. Hearths

| Land Use            | Hearth Type         | Unmitigated (number) | Mitigated (number) |
|---------------------|---------------------|----------------------|--------------------|
| Apartments Mid Rise | Wood Fireplaces     | 0                    | 0                  |
| Apartments Mid Rise | Gas Fireplaces      | 19,890               | 19,890             |
| Apartments Mid Rise | Propane Fireplaces  | 0                    | 0                  |
| Apartments Mid Rise | Electric Fireplaces | 0                    | 0                  |
| Apartments Mid Rise | No Fireplaces       | 2,210                | 2,210              |

|                          |                           |   |   |
|--------------------------|---------------------------|---|---|
| Apartments Mid Rise      | Conventional Wood Stoves  | 0 | 0 |
| Apartments Mid Rise      | Catalytic Wood Stoves     | 0 | 0 |
| Apartments Mid Rise      | Non-Catalytic Wood Stoves | 0 | 0 |
| Apartments Mid Rise      | Pellet Wood Stoves        | 0 | 0 |
| General Office Building  | Wood Fireplaces           | 0 | 0 |
| General Office Building  | Gas Fireplaces            | 0 | 0 |
| General Office Building  | Propane Fireplaces        | 0 | 0 |
| General Office Building  | Electric Fireplaces       | 0 | 0 |
| General Office Building  | No Fireplaces             | 0 | 0 |
| General Office Building  | Conventional Wood Stoves  | 0 | 0 |
| General Office Building  | Catalytic Wood Stoves     | 0 | 0 |
| General Office Building  | Non-Catalytic Wood Stoves | 0 | 0 |
| General Office Building  | Pellet Wood Stoves        | 0 | 0 |
| Regional Shopping Center | Wood Fireplaces           | 0 | 0 |
| Regional Shopping Center | Gas Fireplaces            | 0 | 0 |
| Regional Shopping Center | Propane Fireplaces        | 0 | 0 |
| Regional Shopping Center | Electric Fireplaces       | 0 | 0 |
| Regional Shopping Center | No Fireplaces             | 0 | 0 |
| Regional Shopping Center | Conventional Wood Stoves  | 0 | 0 |
| Regional Shopping Center | Catalytic Wood Stoves     | 0 | 0 |
| Regional Shopping Center | Non-Catalytic Wood Stoves | 0 | 0 |
| Regional Shopping Center | Pellet Wood Stoves        | 0 | 0 |
| Hotel                    | Wood Fireplaces           | 0 | 0 |
| Hotel                    | Gas Fireplaces            | 0 | 0 |
| Hotel                    | Propane Fireplaces        | 0 | 0 |
| Hotel                    | Electric Fireplaces       | 0 | 0 |
| Hotel                    | No Fireplaces             | 0 | 0 |
| Hotel                    | Conventional Wood Stoves  | 0 | 0 |

|                  |                           |   |   |
|------------------|---------------------------|---|---|
| Hotel            | Catalytic Wood Stoves     | 0 | 0 |
| Hotel            | Non-Catalytic Wood Stoves | 0 | 0 |
| Hotel            | Pellet Wood Stoves        | 0 | 0 |
| Parking Lot      | Wood Fireplaces           | 0 | 0 |
| Parking Lot      | Gas Fireplaces            | 0 | 0 |
| Parking Lot      | Propane Fireplaces        | 0 | 0 |
| Parking Lot      | Electric Fireplaces       | 0 | 0 |
| Parking Lot      | No Fireplaces             | 0 | 0 |
| Parking Lot      | Conventional Wood Stoves  | 0 | 0 |
| Parking Lot      | Catalytic Wood Stoves     | 0 | 0 |
| Parking Lot      | Non-Catalytic Wood Stoves | 0 | 0 |
| Parking Lot      | Pellet Wood Stoves        | 0 | 0 |
| Day-Care Center  | Wood Fireplaces           | 0 | 0 |
| Day-Care Center  | Gas Fireplaces            | 0 | 0 |
| Day-Care Center  | Propane Fireplaces        | 0 | 0 |
| Day-Care Center  | Electric Fireplaces       | 0 | 0 |
| Day-Care Center  | No Fireplaces             | 0 | 0 |
| Day-Care Center  | Conventional Wood Stoves  | 0 | 0 |
| Day-Care Center  | Catalytic Wood Stoves     | 0 | 0 |
| Day-Care Center  | Non-Catalytic Wood Stoves | 0 | 0 |
| Day-Care Center  | Pellet Wood Stoves        | 0 | 0 |
| Place of Worship | Wood Fireplaces           | 0 | 0 |
| Place of Worship | Gas Fireplaces            | 0 | 0 |
| Place of Worship | Propane Fireplaces        | 0 | 0 |
| Place of Worship | Electric Fireplaces       | 0 | 0 |
| Place of Worship | No Fireplaces             | 0 | 0 |
| Place of Worship | Conventional Wood Stoves  | 0 | 0 |
| Place of Worship | Catalytic Wood Stoves     | 0 | 0 |

|                         |                           |   |   |
|-------------------------|---------------------------|---|---|
| Place of Worship        | Non-Catalytic Wood Stoves | 0 | 0 |
| Place of Worship        | Pellet Wood Stoves        | 0 | 0 |
| Medical Office Building | Wood Fireplaces           | 0 | 0 |
| Medical Office Building | Gas Fireplaces            | 0 | 0 |
| Medical Office Building | Propane Fireplaces        | 0 | 0 |
| Medical Office Building | Electric Fireplaces       | 0 | 0 |
| Medical Office Building | No Fireplaces             | 0 | 0 |
| Medical Office Building | Conventional Wood Stoves  | 0 | 0 |
| Medical Office Building | Catalytic Wood Stoves     | 0 | 0 |
| Medical Office Building | Non-Catalytic Wood Stoves | 0 | 0 |
| Medical Office Building | Pellet Wood Stoves        | 0 | 0 |
| Health Club             | Wood Fireplaces           | 0 | 0 |
| Health Club             | Gas Fireplaces            | 0 | 0 |
| Health Club             | Propane Fireplaces        | 0 | 0 |
| Health Club             | Electric Fireplaces       | 0 | 0 |
| Health Club             | No Fireplaces             | 0 | 0 |
| Health Club             | Conventional Wood Stoves  | 0 | 0 |
| Health Club             | Catalytic Wood Stoves     | 0 | 0 |
| Health Club             | Non-Catalytic Wood Stoves | 0 | 0 |
| Health Club             | 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) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 42,962,400                               | 14,320,800                               | 15,945,543                                   | 5,315,181                                    | 13,068.0                    |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|--------|------|-------|
|--------|------|-------|

|             |        |         |
|-------------|--------|---------|
| Snow Days   | day/yr | 0.00000 |
| Summer Days | day/yr | 250.000 |

## 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) |
|--------------------------|----------------------|---------|--------|--------|-----------------------|
| Apartments Mid Rise      | 81,014,934           | 260.788 | 0.0330 | 0.0040 | 245,461,228           |
| General Office Building  | 30,309,777           | 260.788 | 0.0330 | 0.0040 | 43,110,742            |
| Regional Shopping Center | 49,070,198           | 260.788 | 0.0330 | 0.0040 | 29,912,389            |
| Hotel                    | 8,925,492            | 260.788 | 0.0330 | 0.0040 | 18,415,006            |
| Parking Lot              | 190,793              | 260.788 | 0.0330 | 0.0040 | 0.00000               |
| Day-Care Center          | 664,862              | 260.788 | 0.0330 | 0.0040 | 2,230,246             |
| Place of Worship         | 4,078,966            | 260.788 | 0.0330 | 0.0040 | 18,199,985            |
| Medical Office Building  | 9,471,803            | 260.788 | 0.0330 | 0.0040 | 13,472,104            |
| Health Club              | 21,414,594           | 260.788 | 0.0330 | 0.0040 | 95,550,027            |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use                 | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|--------------------------|-------------------------|--------------------------|
| Apartments Mid Rise      | 829,316,865             | 0.00000                  |
| General Office Building  | 302,299,824             | 0.00000                  |
| Regional Shopping Center | 370,086,292             | 0.00000                  |
| Hotel                    | 53,929,753              | 0.00000                  |
| Parking Lot              | 0.00000                 | 0.00000                  |
| Day-Care Center          | 4,559,316               | 0.00000                  |

|                         |             |         |
|-------------------------|-------------|---------|
| Place of Worship        | 13,304,496  | 0.00000 |
| Medical Office Building | 66,695,171  | 0.00000 |
| Health Club             | 132,029,724 | 0.00000 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use                 | Waste (ton/year) | Cogeneration (kWh/year) |
|--------------------------|------------------|-------------------------|
| Apartments Mid Rise      | 16,342.2         | 0.00000                 |
| General Office Building  | 1,581.80         | 0.00000                 |
| Regional Shopping Center | 5,246.08         | 0.00000                 |
| Hotel                    | 1,163.98         | 0.00000                 |
| Parking Lot              | 0.00000          | 0.00000                 |
| Day-Care Center          | 138.195          | 0.00000                 |
| Place of Worship         | 2,423.72         | 0.00000                 |
| Medical Office Building  | 5,740.40         | 0.00000                 |
| Health Club              | 12,724.5         | 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 |
|---------------------|---------------------------------------------------------|-------------|----------|---------------|----------------------|-------------------|----------------|
| Apartments Mid Rise | Average room A/C & Other residential A/C and heat pumps | R-410A      | 2,088.00 | 0.00225       | 2.50000              | 2.50000           | 10.00000       |
| Apartments Mid Rise | Household refrigerators and/or freezers                 | R-134a      | 1,430.00 | 0.11538       | 0.60000              | 0.00000           | 1.000000       |

|                          |                                               |        |          |         |          |         |          |
|--------------------------|-----------------------------------------------|--------|----------|---------|----------|---------|----------|
| General Office Building  | Household refrigerators and/or freezers       | R-134a | 1,430.00 | 0.01679 | 0.60000  | 0.00000 | 1.000000 |
| General Office Building  | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00180 | 4.00000  | 4.00000 | 18.0000  |
| Regional Shopping Center | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00180 | 4.00000  | 4.00000 | 18.0000  |
| Regional Shopping Center | Stand-alone retail refrigerators and freezers | R-134a | 1,430.00 | 0.03750 | 1.000000 | 0.00000 | 1.000000 |
| Hotel                    | Household refrigerators and/or freezers       | R-134a | 1,430.00 | 0.00000 | 0.60000  | 0.00000 | 1.000000 |
| Hotel                    | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 1.80000 | 4.00000  | 4.00000 | 18.0000  |
| Hotel                    | Walk-in refrigerators and freezers            | R-404A | 3,922.00 | 0.00040 | 7.50000  | 7.50000 | 20.0000  |
| Day-Care Center          | Household refrigerators and/or freezers       | R-134a | 1,430.00 | 0.01679 | 0.60000  | 0.00000 | 1.000000 |
| Day-Care Center          | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00180 | 4.00000  | 4.00000 | 18.0000  |
| Day-Care Center          | Stand-alone retail refrigerators and freezers | R-134a | 1,430.00 | 0.00004 | 1.000000 | 0.00000 | 1.000000 |
| Day-Care Center          | Walk-in refrigerators and freezers            | R-404A | 3,922.00 | 0.00040 | 7.50000  | 7.50000 | 20.0000  |
| Place of Worship         | Household refrigerators and/or freezers       | R-134a | 1,430.00 | 0.01679 | 0.60000  | 0.00000 | 1.000000 |
| Place of Worship         | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00180 | 4.00000  | 4.00000 | 18.0000  |
| Place of Worship         | Stand-alone retail refrigerators and freezers | R-134a | 1,430.00 | 0.00004 | 1.000000 | 0.00000 | 1.000000 |
| Place of Worship         | Walk-in refrigerators and freezers            | R-404A | 3,922.00 | 0.00040 | 7.50000  | 7.50000 | 20.0000  |

|                         |                                               |        |          |         |          |         |          |
|-------------------------|-----------------------------------------------|--------|----------|---------|----------|---------|----------|
| Medical Office Building | Household refrigerators and/or freezers       | R-134a | 1,430.00 | 0.45455 | 0.60000  | 0.00000 | 1.000000 |
| Medical Office Building | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00230 | 4.00000  | 4.00000 | 18.0000  |
| Health Club             | Other commercial A/C and heat pumps           | R-410A | 2,088.00 | 0.00180 | 4.00000  | 4.00000 | 18.0000  |
| Health Club             | Stand-alone retail refrigerators and freezers | R-134a | 1,430.00 | 0.03750 | 1.000000 | 0.00000 | 1.000000 |

## 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

| 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 | 9.33000                     | annual days of extreme heat                |
| Extreme Precipitation        | 3.30000                     | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 0.00000                     | 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  $\frac{3}{4}$  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          | 1   | 0   | 0   | N/A |
| Wildfire                | 1   | 0   | 0   | N/A |
| Flooding                | N/A | N/A | N/A | N/A |
| Drought                 | N/A | N/A | N/A | 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               | 1              | 1                 | 1                       | 2                   |
| Wildfire                     | 1              | 1                 | 1                       | 2                   |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | N/A            | N/A               | N/A                     | N/A                 |
| 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                        | 50.5414                         |
| AQ-PM                           | 56.9011                         |
| AQ-DPM                          | 55.8930                         |
| Drinking Water                  | 6.18209                         |
| Lead Risk Housing               | 54.6944                         |
| Pesticides                      | 0.00000                         |
| Toxic Releases                  | 85.2088                         |
| Traffic                         | 56.0125                         |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 25.6252                         |
| Groundwater                     | 10.6425                         |
| Haz Waste Facilities/Generators | 61.5751                         |
| Impaired Water Bodies           | 0.00000                         |
| Solid Waste                     | 0.00000                         |
| Sensitive Population            | —                               |
| Asthma                          | 21.9217                         |
| Cardio-vascular                 | 13.8210                         |
| Low Birth Weights               | 10.1873                         |
| Socioeconomic Factor Indicators | —                               |
| Education                       | 23.2979                         |
| Housing                         | 36.6540                         |
| Linguistic                      | 16.3622                         |

|              |         |
|--------------|---------|
| Poverty      | 15.3266 |
| Unemployment | 21.1088 |

## 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          | 65.94379571                     |
| Employed               | 88.70781471                     |
| Median HI              | 68.93365841                     |
| Education              | —                               |
| Bachelor's or higher   | 73.29654818                     |
| High school enrollment | 100                             |
| Preschool enrollment   | 95.7141024                      |
| Transportation         | —                               |
| Auto Access            | 58.09059412                     |
| Active commuting       | 36.45579366                     |
| Social                 | —                               |
| 2-parent households    | 64.48094444                     |
| Voting                 | 37.41819582                     |
| Neighborhood           | —                               |
| Alcohol availability   | 37.02040293                     |
| Park access            | 81.35506224                     |
| Retail density         | 78.86564866                     |
| Supermarket access     | 67.23983062                     |
| Tree canopy            | 31.97741563                     |
| Housing                | —                               |
| Homeownership          | 44.28333119                     |

|                                              |             |
|----------------------------------------------|-------------|
| Housing habitability                         | 75.02887206 |
| Low-inc homeowner severe housing cost burden | 83.84447581 |
| Low-inc renter severe housing cost burden    | 59.15565251 |
| Uncrowded housing                            | 75.52932119 |
| Health Outcomes                              | —           |
| Insured adults                               | 61.8760426  |
| Arthritis                                    | 50.5        |
| Asthma ER Admissions                         | 67.2        |
| High Blood Pressure                          | 68.0        |
| Cancer (excluding skin)                      | 22.7        |
| Asthma                                       | 55.1        |
| Coronary Heart Disease                       | 51.0        |
| Chronic Obstructive Pulmonary Disease        | 53.7        |
| Diagnosed Diabetes                           | 84.4        |
| Life Expectancy at Birth                     | 64.0        |
| Cognitively Disabled                         | 30.7        |
| Physically Disabled                          | 62.2        |
| Heart Attack ER Admissions                   | 75.7        |
| Mental Health Not Good                       | 62.3        |
| Chronic Kidney Disease                       | 73.0        |
| Obesity                                      | 78.0        |
| Pedestrian Injuries                          | 19.6        |
| Physical Health Not Good                     | 68.2        |
| Stroke                                       | 58.2        |
| Health Risk Behaviors                        | —           |
| Binge Drinking                               | 8.3         |
| Current Smoker                               | 58.7        |
| No Leisure Time for Physical Activity        | 68.2        |

|                                  |      |
|----------------------------------|------|
| Climate Change Exposures         | —    |
| Wildfire Risk                    | 0.0  |
| SLR Inundation Area              | 0.0  |
| Children                         | 58.1 |
| Elderly                          | 46.6 |
| English Speaking                 | 76.2 |
| Foreign-born                     | 25.6 |
| Outdoor Workers                  | 32.9 |
| Climate Change Adaptive Capacity | —    |
| Impervious Surface Cover         | 24.0 |
| Traffic Density                  | 46.8 |
| Traffic Access                   | 68.2 |
| Other Indices                    | —    |
| Hardship                         | 17.0 |
| Other Decision Support           | —    |
| 2016 Voting                      | 65.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 10.00000                        |
| Healthy Places Index Score for Project Location (b)                                 | 79.0000                         |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535)           | No                              |
| Project Located in a Low-Income Community (Assembly Bill 1550)                      | No                              |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No                              |

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             |
|-----------------------------------|---------------------------|
| Land Use                          | mod                       |
| Operations: Vehicle Data          | ITE 12                    |
| Operations: Hearths               | No wood stoves/fireplaces |
| Operations: Water and Waste Water | a                         |

## 8.3. Land Use

| Model Parameter | Units  | Default Value | New Value |
|-----------------|--------|---------------|-----------|
| Building Area   | sq. ft | 3,086,952     | 637,822   |
| Landscape Area  | sq. ft | —             | 0.00000   |

## 8.5. Operations

### 8.5.1. Mobile Sources

#### 8.5.1.1. Vehicle Data

| Land Use            | Model Parameter    | Units    | Default Value | New Value |
|---------------------|--------------------|----------|---------------|-----------|
| Apartments Mid Rise | Weekday Trip Rate  | size/day | 5.44000       | 4.46000   |
| Apartments Mid Rise | Saturday Trip Rate | size/day | 4.91000       | 4.03000   |

|                          |                    |          |         |         |
|--------------------------|--------------------|----------|---------|---------|
| Apartments Mid Rise      | Sunday Trip Rate   | size/day | 4.09000 | 3.36000 |
| General Office Building  | Weekday Trip Rate  | size/day | 9.74000 | 7.83000 |
| General Office Building  | Saturday Trip Rate | size/day | 2.21000 | 1.78000 |
| General Office Building  | Sunday Trip Rate   | size/day | 0.70000 | 0.56000 |
| Regional Shopping Center | Weekday Trip Rate  | size/day | 37.7500 | 36.3900 |
| Regional Shopping Center | Saturday Trip Rate | size/day | 46.1200 | 44.4600 |
| Regional Shopping Center | Sunday Trip Rate   | size/day | 21.1000 | 20.3400 |
| Hotel                    | Weekday Trip Rate  | size/day | 8.36000 | 5.84000 |
| Hotel                    | Saturday Trip Rate | size/day | 8.19000 | 5.72000 |
| Hotel                    | Sunday Trip Rate   | size/day | 5.95000 | 4.16000 |
| Day-Care Center          | Weekday Trip Rate  | size/day | 47.6200 | 39.3000 |
| Day-Care Center          | Saturday Trip Rate | size/day | 6.22000 | 5.13000 |
| Day-Care Center          | Sunday Trip Rate   | size/day | 5.84000 | 4.82000 |
| Place of Worship         | Weekday Trip Rate  | size/day | 6.95000 | 6.78000 |
| Place of Worship         | Saturday Trip Rate | size/day | 5.99000 | 5.84000 |
| Place of Worship         | Sunday Trip Rate   | size/day | 27.6300 | 26.9500 |
| Medical Office Building  | Weekday Trip Rate  | size/day | 34.8000 | 34.0300 |
| Medical Office Building  | Saturday Trip Rate | size/day | 8.57000 | 8.38000 |
| Medical Office Building  | Sunday Trip Rate   | size/day | 1.42000 | 1.39000 |
| Health Club              | Weekday Trip Rate  | size/day | 32.9300 | 20.0200 |
| Health Club              | Saturday Trip Rate | size/day | 20.8700 | 19.0300 |
| Health Club              | Sunday Trip Rate   | size/day | 26.7300 | 24.3700 |

## 8.5.2. Area Sources

### 8.5.2.1. Hearths

| Land Use            | Model Parameter | Default Value | New Value |
|---------------------|-----------------|---------------|-----------|
| Apartments Mid Rise | Wood Fireplaces | 1,105         | 0         |

|                     |                           |        |        |
|---------------------|---------------------------|--------|--------|
| Apartments Mid Rise | Gas Fireplaces            | 18,785 | 19,890 |
| Apartments Mid Rise | Catalytic Wood Stoves     | 1,105  | 0      |
| Apartments Mid Rise | Non-Catalytic Wood Stoves | 1,105  | 0      |

#### 8.5.4. Water and Waste Water

| Land Use         | Model Parameter | Units    | Default Value | New Value |
|------------------|-----------------|----------|---------------|-----------|
| Place of Worship | Outdoor Water   | gal/year | -12.9604      | 0.00000   |

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                         |
|-----------------------------|-----------------------------------------------|
| Project Name                | Costa Mesa Rezone Infrastructure Construction |
| Construction Start Date     | 1/1/2027                                      |
| Lead Agency                 | —                                             |
| Land Use Scale              | Project/site                                  |
| Analysis Level for Defaults | County                                        |
| Windspeed (m/s)             | 2.50000                                       |
| Precipitation (days)        | 19.6000                                       |
| Location                    | 33.670984860720296, -117.92011983385078       |
| County                      | Orange                                        |
| City                        | Costa Mesa                                    |
| Air District                | South Coast AQMD                              |
| Air Basin                   | South Coast                                   |
| TAZ                         | 5912                                          |
| EDFZ                        | 7                                             |
| Electric Utility            | Southern California Edison                    |
| Gas Utility                 | Southern California Gas                       |
| 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 |
|------------------------|----------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Other Asphalt Surfaces | 2,121.90 | 1000sqft | 48.7120     | 0.00000               | 0.00000                | —                              | —          | —           |

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

No measures selected

## 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.              | 2.77003 | 2.29654 | 19.4116 | 25.6604 | 0.04800 | 0.68091 | 0.73458 | 1.41549 | 0.62679 | 0.17691 | 0.80370 | —    | 5,525.67 | 5,525.67 | 0.21665 | 0.11961 | 2.75500 | 5,569.49 |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 2.76959 | 2.29504 | 19.4331 | 25.3308 | 0.04800 | 0.68091 | 0.73458 | 1.41549 | 0.62679 | 0.17691 | 0.80370 | —    | 5,496.17 | 5,496.17 | 0.21762 | 0.11961 | 0.07157 | 5,537.32 |
| Average Daily (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 1.97235 | 1.63501 | 13.8580 | 18.1050 | 0.03438 | 0.48503 | 0.51971 | 1.00190 | 0.44648 | 0.12510 | 0.57090 | —    | 3,929.26 | 3,929.26 | 0.15502 | 0.08520 | 0.84806 | 3,959.05 |
| Annual (Max)        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 0.35995 | 0.29839 | 2.52908 | 3.30416 | 0.00627 | 0.08852 | 0.09485 | 0.18285 | 0.08148 | 0.02283 | 0.10419 | —    | 650.534  | 650.534  | 0.02567 | 0.01411 | 0.14041 | 655.466  |

### 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) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 2.77003 | 2.29654 | 19.4116 | 25.6604 | 0.04798 | 0.68091 | 0.73458 | 1.41549 | 0.62679 | 0.17691 | 0.80370 | —    | 5,525.67 | 5,525.67 | 0.21665 | 0.11961 | 2.75500 | 5,569.49 |

## Costa Mesa Rezone Infrastructure Construction Detailed Report, 2/18/2026

|                      |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 2028                 | 2.64884 | 2.19526 | 18.3851 | 25.4736 | 0.04800 | 0.60639 | 0.73458 | 1.34097 | 0.55823 | 0.17691 | 0.73514 | — | 5,507.12 | 5,507.12 | 0.21468 | 0.09828 | 2.47790 | 5,544.25 |
| 2029                 | 2.56913 | 2.13036 | 17.6423 | 25.2368 | 0.04800 | 0.56067 | 0.73458 | 1.29525 | 0.51617 | 0.17691 | 0.69308 | — | 5,486.75 | 5,486.75 | 0.21290 | 0.09828 | 2.21608 | 5,523.57 |
| 2030                 | 2.48328 | 2.06016 | 17.1911 | 25.0661 | 0.04799 | 0.52910 | 0.73458 | 1.26368 | 0.48713 | 0.17691 | 0.66403 | — | 5,466.75 | 5,466.75 | 0.21084 | 0.09561 | 1.96799 | 5,502.48 |
| 2031                 | 2.40075 | 2.00656 | 16.6467 | 24.8468 | 0.04798 | 0.50147 | 0.73458 | 1.23605 | 0.46171 | 0.17691 | 0.63861 | — | 5,446.87 | 5,446.87 | 0.20887 | 0.09375 | 1.74077 | 5,481.77 |
| 2032                 | 2.32750 | 1.94600 | 16.0927 | 24.6014 | 0.04799 | 0.45923 | 0.73458 | 1.19381 | 0.42285 | 0.17691 | 0.59975 | — | 5,428.38 | 5,428.38 | 0.20889 | 0.09286 | 1.52733 | 5,462.80 |
| 2033                 | 2.26566 | 1.89581 | 15.6657 | 24.4734 | 0.04791 | 0.41579 | 0.73458 | 1.15037 | 0.38288 | 0.17691 | 0.55979 | — | 5,410.90 | 5,410.90 | 0.20614 | 0.09110 | 1.33449 | 5,444.53 |
| 2034                 | 2.22333 | 1.85972 | 15.3445 | 24.3653 | 0.04790 | 0.39312 | 0.73458 | 1.12770 | 0.36202 | 0.17691 | 0.53893 | — | 5,394.63 | 5,394.63 | 0.20490 | 0.09019 | 1.15934 | 5,427.79 |
| 2035                 | 2.17299 | 1.81912 | 14.9058 | 24.0916 | 0.04790 | 0.36528 | 0.73458 | 1.09986 | 0.33641 | 0.17691 | 0.51332 | — | 5,379.81 | 5,379.81 | 0.20314 | 0.08843 | 1.00163 | 5,412.24 |
| 2036                 | 2.12625 | 1.77928 | 14.3938 | 23.8102 | 0.04790 | 0.34242 | 0.73458 | 1.07700 | 0.31538 | 0.17691 | 0.49229 | — | 5,364.98 | 5,364.98 | 0.20304 | 0.08753 | 0.86353 | 5,397.00 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 2027                 | 2.76959 | 2.29504 | 19.4331 | 25.3308 | 0.04798 | 0.68091 | 0.73458 | 1.41549 | 0.62679 | 0.17691 | 0.80370 | — | 5,496.17 | 5,496.17 | 0.21762 | 0.11961 | 0.07157 | 5,537.32 |
| 2028                 | 2.64734 | 2.19384 | 18.4234 | 25.1602 | 0.04800 | 0.60639 | 0.73458 | 1.34097 | 0.55823 | 0.17691 | 0.73514 | — | 5,478.18 | 5,478.18 | 0.21583 | 0.11786 | 0.06416 | 5,518.76 |
| 2029                 | 2.56754 | 2.12781 | 17.6612 | 24.9397 | 0.04800 | 0.56067 | 0.73458 | 1.29525 | 0.51617 | 0.17691 | 0.69308 | — | 5,458.34 | 5,458.34 | 0.21281 | 0.11785 | 0.05737 | 5,498.84 |
| 2030                 | 2.48293 | 2.05866 | 17.2269 | 24.7853 | 0.04799 | 0.52910 | 0.73458 | 1.26368 | 0.48713 | 0.17691 | 0.66403 | — | 5,438.83 | 5,438.83 | 0.21190 | 0.09561 | 0.05117 | 5,472.67 |
| 2031                 | 2.40030 | 2.00506 | 16.6646 | 24.5825 | 0.04798 | 0.50147 | 0.73458 | 1.23605 | 0.46171 | 0.17691 | 0.63861 | — | 5,419.41 | 5,419.41 | 0.20993 | 0.09384 | 0.04500 | 5,452.67 |
| 2032                 | 2.32697 | 1.94556 | 16.1303 | 24.3533 | 0.04799 | 0.45923 | 0.73458 | 1.19381 | 0.42285 | 0.17691 | 0.59975 | — | 5,401.34 | 5,401.34 | 0.20880 | 0.09295 | 0.03966 | 5,434.30 |
| 2033                 | 2.26513 | 1.89537 | 15.7007 | 24.2428 | 0.04799 | 0.41579 | 0.73458 | 1.15037 | 0.38288 | 0.17691 | 0.55979 | — | 5,384.23 | 5,384.23 | 0.20614 | 0.09110 | 0.03466 | 5,416.56 |
| 2034                 | 2.22385 | 1.86034 | 15.3601 | 24.1326 | 0.04799 | 0.39312 | 0.73458 | 1.12770 | 0.36202 | 0.17691 | 0.53893 | — | 5,368.27 | 5,368.27 | 0.20596 | 0.09019 | 0.03010 | 5,400.33 |
| 2035                 | 2.17035 | 1.81656 | 14.9224 | 23.8763 | 0.04799 | 0.36528 | 0.73458 | 1.09986 | 0.33641 | 0.17691 | 0.51332 | — | 5,353.75 | 5,353.75 | 0.20411 | 0.08843 | 0.02596 | 5,385.23 |
| 2036                 | 2.12572 | 1.77892 | 14.4087 | 23.6135 | 0.04799 | 0.34242 | 0.73458 | 1.07700 | 0.31538 | 0.17691 | 0.49229 | — | 5,339.19 | 5,339.19 | 0.20304 | 0.08753 | 0.02236 | 5,370.37 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 2027                 | 1.97235 | 1.63501 | 13.8580 | 18.1050 | 0.03418 | 0.48503 | 0.51687 | 1.00190 | 0.44648 | 0.12442 | 0.57090 | — | 3,920.70 | 3,920.70 | 0.15502 | 0.08520 | 0.84806 | 3,950.81 |
| 2028                 | 1.89708 | 1.57227 | 13.1983 | 18.0824 | 0.03438 | 0.43432 | 0.51971 | 0.95403 | 0.39983 | 0.12510 | 0.52493 | — | 3,929.26 | 3,929.26 | 0.15459 | 0.08442 | 0.76697 | 3,959.05 |
| 2029                 | 1.83339 | 1.51929 | 12.6165 | 17.8762 | 0.03428 | 0.40048 | 0.51829 | 0.91877 | 0.36869 | 0.12476 | 0.49345 | — | 3,904.25 | 3,904.25 | 0.15201 | 0.08418 | 0.68382 | 3,933.82 |
| 2030                 | 1.77289 | 1.47066 | 12.3082 | 17.7660 | 0.03428 | 0.37793 | 0.51829 | 0.89622 | 0.34795 | 0.12476 | 0.47271 | — | 3,890.22 | 3,890.22 | 0.15135 | 0.06829 | 0.60748 | 3,914.96 |
| 2031                 | 1.71394 | 1.43238 | 11.9054 | 17.6079 | 0.03427 | 0.35819 | 0.51829 | 0.87648 | 0.32979 | 0.12476 | 0.45455 | — | 3,876.25 | 3,876.25 | 0.14995 | 0.06697 | 0.53751 | 3,900.49 |

|        |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 2032   | 1.66611 | 1.39292 | 11.5546 | 17.4929 | 0.03437 | 0.32892 | 0.51971 | 0.84863 | 0.30286 | 0.12510 | 0.42796 | — | 3,873.85 | 3,873.85 | 0.14955 | 0.06651 | 0.47183 | 3,897.88 |
| 2033   | 1.61820 | 1.35402 | 11.2160 | 17.3659 | 0.03428 | 0.29699 | 0.51829 | 0.81529 | 0.27349 | 0.12476 | 0.39825 | — | 3,850.97 | 3,850.97 | 0.14725 | 0.06507 | 0.41276 | 3,874.46 |
| 2034   | 1.58790 | 1.32825 | 10.9720 | 17.2873 | 0.03422 | 0.28080 | 0.51829 | 0.79909 | 0.25859 | 0.12476 | 0.38335 | — | 3,839.52 | 3,839.52 | 0.14711 | 0.06442 | 0.35834 | 3,862.76 |
| 2035   | 1.55050 | 1.29773 | 10.6601 | 17.0910 | 0.03422 | 0.26092 | 0.51829 | 0.77921 | 0.24030 | 0.12476 | 0.36505 | — | 3,829.08 | 3,829.08 | 0.14585 | 0.06316 | 0.30928 | 3,851.85 |
| 2036   | 1.52272 | 1.27433 | 10.3206 | 16.9497 | 0.03431 | 0.24526 | 0.51971 | 0.76497 | 0.22589 | 0.12510 | 0.35099 | — | 3,829.10 | 3,829.10 | 0.14543 | 0.06269 | 0.26677 | 3,851.68 |
| Annual | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 2027   | 0.35995 | 0.29839 | 2.52908 | 3.30416 | 0.00624 | 0.08852 | 0.09433 | 0.18285 | 0.08148 | 0.02271 | 0.10419 | — | 649.117  | 649.117  | 0.02567 | 0.01411 | 0.14041 | 654.102  |
| 2028   | 0.34622 | 0.28694 | 2.40870 | 3.30003 | 0.00627 | 0.07926 | 0.09485 | 0.17411 | 0.07297 | 0.02283 | 0.09580 | — | 650.534  | 650.534  | 0.02559 | 0.01398 | 0.12698 | 655.466  |
| 2029   | 0.33459 | 0.27727 | 2.30252 | 3.26241 | 0.00626 | 0.07309 | 0.09459 | 0.16768 | 0.06729 | 0.02277 | 0.09006 | — | 646.394  | 646.394  | 0.02517 | 0.01394 | 0.11321 | 651.289  |
| 2030   | 0.32355 | 0.26840 | 2.24624 | 3.24230 | 0.00626 | 0.06897 | 0.09459 | 0.16356 | 0.06350 | 0.02277 | 0.08627 | — | 644.070  | 644.070  | 0.02506 | 0.01131 | 0.10058 | 648.166  |
| 2031   | 0.31279 | 0.26141 | 2.17273 | 3.21345 | 0.00626 | 0.06537 | 0.09459 | 0.15996 | 0.06019 | 0.02277 | 0.08296 | — | 641.757  | 641.757  | 0.02483 | 0.01109 | 0.08899 | 645.771  |
| 2032   | 0.30406 | 0.25421 | 2.10871 | 3.19245 | 0.00627 | 0.06003 | 0.09485 | 0.15488 | 0.05527 | 0.02283 | 0.07810 | — | 641.361  | 641.361  | 0.02476 | 0.01101 | 0.07812 | 645.339  |
| 2033   | 0.29532 | 0.24711 | 2.04692 | 3.16929 | 0.00626 | 0.05420 | 0.09459 | 0.14879 | 0.04991 | 0.02277 | 0.07268 | — | 637.573  | 637.573  | 0.02438 | 0.01077 | 0.06834 | 641.461  |
| 2034   | 0.28979 | 0.24241 | 2.00240 | 3.15494 | 0.00624 | 0.05125 | 0.09459 | 0.14583 | 0.04719 | 0.02277 | 0.06996 | — | 635.677  | 635.677  | 0.02436 | 0.01067 | 0.05933 | 639.523  |
| 2035   | 0.28297 | 0.23684 | 1.94547 | 3.11911 | 0.00624 | 0.04762 | 0.09459 | 0.14221 | 0.04385 | 0.02277 | 0.06662 | — | 633.947  | 633.947  | 0.02415 | 0.01046 | 0.05121 | 637.718  |
| 2036   | 0.27790 | 0.23257 | 1.88350 | 3.09331 | 0.00626 | 0.04476 | 0.09485 | 0.13961 | 0.04122 | 0.02283 | 0.06406 | — | 633.951  | 633.951  | 0.02408 | 0.01038 | 0.04417 | 637.690  |

## 3. Construction Emissions Details

### 3.1. Open Trench 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,<br>Summer<br>(Max) | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —        | —        | —       | —       | — | —        |
| Off-Road<br>Equipm<br>ent | 2.57546 | 2.15278 | 18.8286 | 23.0846 | 0.04523 | 0.67648 | —     | 0.67648 | 0.62237 | —      | 0.62237 | —    | 4,519.23 | 4,519.23 | 0.18332 | 0.03666 | — | 4,534.73 |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 2.57546 | 2.15278 | 18.8286 | 23.0846 | 0.04523 | 0.67648 | —       | 0.67648 | 0.62237 | —       | 0.62237 | — | 4,519.23 | 4,519.23 | 0.18332 | 0.03666 | —       | 4,534.73 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 1.83457 | 1.53349 | 13.4121 | 16.4438 | 0.03222 | 0.48188 | —       | 0.48188 | 0.44333 | —       | 0.44333 | — | 3,219.17 | 3,219.17 | 0.13058 | 0.02612 | —       | 3,230.22 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.33481 | 0.27986 | 2.44771 | 3.00100 | 0.00588 | 0.08794 | —       | 0.08794 | 0.08091 | —       | 0.08091 | — | 532.971  | 532.971  | 0.02162 | 0.00432 | —       | 534.800  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —       | —       | —       | —       | —       | —       |
| 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                      | 0.15979 | 0.13704 | 0.14392 | 2.37358 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 614.514 | 614.514 | 0.00635 | 0.02275 | 1.94846 | 623.401 |
| Vendor                      | 0.00974 | 0.00257 | 0.12279 | 0.06097 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 123.139 | 123.139 | 0.00626 | 0.01681 | 0.29455 | 128.599 |
| Hauling                     | 0.02504 | 0.00414 | 0.31632 | 0.14127 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 268.793 | 268.793 | 0.02072 | 0.04339 | 0.51198 | 282.753 |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.15979 | 0.13598 | 0.14709 | 2.04130 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 584.846 | 584.846 | 0.00741 | 0.02275 | 0.05067 | 591.862 |
| Vendor                      | 0.00965 | 0.00249 | 0.12797 | 0.06238 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 123.204 | 123.204 | 0.00617 | 0.01681 | 0.00763 | 128.374 |
| Hauling                     | 0.02469 | 0.00379 | 0.32946 | 0.14251 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 268.894 | 268.894 | 0.02072 | 0.04339 | 0.01327 | 282.354 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.11307 | 0.09686 | 0.11797 | 1.51627 | 0.00000 | 0.00000 | 0.44129 | 0.44129 | 0.00000 | 0.10335 | 0.10335 | — | 422.292 | 422.292 | 0.00528 | 0.01621 | 0.60025 | 427.854 |
| Vendor                      | 0.00693 | 0.00183 | 0.09175 | 0.04387 | 0.00064 | 0.00064 | 0.02412 | 0.02476 | 0.00064 | 0.00667 | 0.00731 | — | 87.7348 | 87.7348 | 0.00440 | 0.01197 | 0.09043 | 91.5031 |
| Hauling                     | 0.01778 | 0.00283 | 0.23613 | 0.10101 | 0.00132 | 0.00251 | 0.05106 | 0.05358 | 0.00251 | 0.01434 | 0.01685 | — | 191.499 | 191.499 | 0.01476 | 0.03091 | 0.15738 | 201.236 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.02064 | 0.01768 | 0.02153 | 0.27672 | 0.00000 | 0.00000 | 0.08054 | 0.08054 | 0.00000 | 0.01886 | 0.01886 | — | 69.9153 | 69.9153 | 0.00087 | 0.00268 | 0.09938 | 70.8361 |
| Vendor                      | 0.00127 | 0.00033 | 0.01674 | 0.00801 | 0.00012 | 0.00012 | 0.00440 | 0.00452 | 0.00012 | 0.00122 | 0.00133 | — | 14.5255 | 14.5255 | 0.00073 | 0.00198 | 0.01497 | 15.1494 |
| Hauling                     | 0.00324 | 0.00052 | 0.04309 | 0.01843 | 0.00024 | 0.00046 | 0.00932 | 0.00978 | 0.00046 | 0.00262 | 0.00307 | — | 31.7049 | 31.7049 | 0.00244 | 0.00512 | 0.02606 | 33.3168 |

### 3.3. Open Trench 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          | 2.45948 | 2.05582 | 17.8392 | 23.0375 | 0.04525 | 0.60196 | —       | 0.60196 | 0.55381 | —       | 0.55381 | —    | 4,520.67 | 4,520.67 | 0.18338 | 0.03668 | —       | 4,536.19 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.45948 | 2.05582 | 17.8392 | 23.0375 | 0.04525 | 0.60196 | —       | 0.60196 | 0.55381 | —       | 0.55381 | —    | 4,520.67 | 4,520.67 | 0.18338 | 0.03668 | —       | 4,536.19 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 1.76159 | 1.47246 | 12.7772 | 16.5005 | 0.03241 | 0.43115 | —       | 0.43115 | 0.39666 | —       | 0.39666 | —    | 3,237.90 | 3,237.90 | 0.13134 | 0.02627 | —       | 3,249.01 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | —    | —        | —        | —       | —       | —       | —        |

## Costa Mesa Rezone Infrastructure Construction Detailed Report, 2/18/2026

|                             |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| 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          | 0.32149 | 0.26872 | 2.33183 | 3.01133 | 0.00591 | 0.07869 | —       | 0.07869 | 0.07239 | —       | 0.07239 | — | 536.071 | 536.071 | 0.02175 | 0.00435 | —       | 537.911 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —       | —       | —       | —       | —       | —       |
| 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                      | 0.15556 | 0.13281 | 0.12328 | 2.23919 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 603.553 | 603.553 | 0.00635 | 0.00317 | 1.74130 | 606.399 |
| Vendor                      | 0.00884 | 0.00249 | 0.11776 | 0.05900 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 120.284 | 120.284 | 0.00608 | 0.01681 | 0.26497 | 125.710 |
| Hauling                     | 0.02496 | 0.00414 | 0.30494 | 0.13783 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 262.607 | 262.607 | 0.01887 | 0.04162 | 0.47163 | 275.954 |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.15450 | 0.13175 | 0.14498 | 1.92331 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 574.446 | 574.446 | 0.00741 | 0.02275 | 0.04507 | 581.456 |
| Vendor                      | 0.00866 | 0.00249 | 0.12295 | 0.06032 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 120.351 | 120.351 | 0.00617 | 0.01681 | 0.00688 | 125.521 |
| Hauling                     | 0.02469 | 0.00379 | 0.31632 | 0.13907 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 262.711 | 262.711 | 0.01887 | 0.04162 | 0.01221 | 275.599 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.11142 | 0.09512 | 0.10384 | 1.44009 | 0.00000 | 0.00000 | 0.44372 | 0.44372 | 0.00000 | 0.10392 | 0.10392 | — | 417.066 | 417.066 | 0.00531 | 0.01630 | 0.53938 | 422.595 |
| Vendor                      | 0.00627 | 0.00184 | 0.08807 | 0.04270 | 0.00064 | 0.00064 | 0.02425 | 0.02490 | 0.00064 | 0.00671 | 0.00735 | — | 86.1728 | 86.1728 | 0.00442 | 0.01204 | 0.08199 | 89.9529 |
| Hauling                     | 0.01781 | 0.00284 | 0.22928 | 0.09910 | 0.00133 | 0.00253 | 0.05134 | 0.05387 | 0.00253 | 0.01441 | 0.01694 | — | 188.122 | 188.122 | 0.01352 | 0.02981 | 0.14560 | 197.489 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.02033 | 0.01736 | 0.01895 | 0.26282 | 0.00000 | 0.00000 | 0.08098 | 0.08098 | 0.00000 | 0.01897 | 0.01897 | — | 69.0501 | 69.0501 | 0.00088 | 0.00270 | 0.08930 | 69.9654 |

|         |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Vendor  | 0.00114 | 0.00034 | 0.01607 | 0.00779 | 0.00012 | 0.00012 | 0.00443 | 0.00454 | 0.00012 | 0.00122 | 0.00134 | — | 14.2669 | 14.2669 | 0.00073 | 0.00199 | 0.01357 | 14.8927 |
| Hauling | 0.00325 | 0.00052 | 0.04184 | 0.01809 | 0.00024 | 0.00046 | 0.00937 | 0.00983 | 0.00046 | 0.00263 | 0.00309 | — | 31.1457 | 31.1457 | 0.00224 | 0.00494 | 0.02411 | 32.6966 |

### 3.5. Open Trench Construction (2029) - 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          | 2.38683 | 1.99516 | 17.1140 | 22.9414 | 0.04524 | 0.55624 | —       | 0.55624 | 0.51174 | —       | 0.51174 | —    | 4,520.16 | 4,520.16 | 0.18336 | 0.03667 | —       | 4,535.67 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.38683 | 1.99516 | 17.1140 | 22.9414 | 0.04524 | 0.55624 | —       | 0.55624 | 0.51174 | —       | 0.51174 | —    | 4,520.16 | 4,520.16 | 0.18336 | 0.03667 | —       | 4,535.67 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

## Costa Mesa Rezone Infrastructure Construction Detailed Report, 2/18/2026

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road Equipment          | 1.70488 | 1.42511 | 12.2243 | 16.3867 | 0.03232 | 0.39732 | —       | 0.39732 | 0.36553 | —       | 0.36553 | — | 3,228.68 | 3,228.68 | 0.13097 | 0.02619 | —       | 3,239.76 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.31114 | 0.26008 | 2.23093 | 2.99057 | 0.00590 | 0.07251 | —       | 0.07251 | 0.06671 | —       | 0.06671 | — | 534.545  | 534.545  | 0.02168 | 0.00434 | —       | 536.380  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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                      | 0.15027 | 0.12857 | 0.12222 | 2.10586 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 593.364  | 593.364  | 0.00635 | 0.00317 | 1.54813 | 596.017  |
| Vendor                      | 0.00884 | 0.00249 | 0.11256 | 0.05693 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 117.096  | 117.096  | 0.00608 | 0.01681 | 0.23667 | 122.494  |
| Hauling                     | 0.02319 | 0.00414 | 0.29357 | 0.13263 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 256.132  | 256.132  | 0.01711 | 0.04162 | 0.43128 | 269.395  |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                      | 0.14921 | 0.12646 | 0.12434 | 1.80638 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 564.780  | 564.780  | 0.00635 | 0.02275 | 0.04003 | 571.759  |
| Vendor                      | 0.00866 | 0.00240 | 0.11792 | 0.05817 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 117.165  | 117.165  | 0.00608 | 0.01681 | 0.00614 | 122.332  |
| Hauling                     | 0.02284 | 0.00379 | 0.30494 | 0.13378 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 256.239  | 256.239  | 0.01702 | 0.04162 | 0.01120 | 269.079  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                      | 0.10582 | 0.08957 | 0.08881 | 1.35339 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 408.925  | 408.925  | 0.00454 | 0.01625 | 0.47792 | 414.359  |

|         |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Vendor  | 0.00625 | 0.00178 | 0.08418 | 0.04111 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 83.6610 | 83.6610 | 0.00435 | 0.01201 | 0.07295 | 87.4203 |
| Hauling | 0.01644 | 0.00283 | 0.21927 | 0.09505 | 0.00132 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 182.983 | 182.983 | 0.01216 | 0.02973 | 0.13295 | 192.280 |
| Annual  | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker  | 0.01931 | 0.01635 | 0.01621 | 0.24699 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 67.7022 | 67.7022 | 0.00075 | 0.00269 | 0.07912 | 68.6019 |
| Vendor  | 0.00114 | 0.00032 | 0.01536 | 0.00750 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 13.8510 | 13.8510 | 0.00072 | 0.00199 | 0.01208 | 14.4734 |
| Hauling | 0.00300 | 0.00052 | 0.04002 | 0.01735 | 0.00024 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 30.2950 | 30.2950 | 0.00201 | 0.00492 | 0.02201 | 31.8342 |

### 3.7. Open Trench 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          | 2.30921 | 1.93025 | 16.6972 | 22.8889 | 0.04524 | 0.52467 | —       | 0.52467 | 0.48270 | —       | 0.48270 | —    | 4,519.75 | 4,519.75 | 0.18334 | 0.03667 | —       | 4,535.26 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.30921 | 1.93025 | 16.6972 | 22.8889 | 0.04524 | 0.52467 | —       | 0.52467 | 0.48270 | —       | 0.48270 | —    | 4,519.75 | 4,519.75 | 0.18334 | 0.03667 | —       | 4,535.26 |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 1.64943 | 1.37875 | 11.9265 | 16.3492 | 0.03231 | 0.37477 | —       | 0.37477 | 0.34479 | —       | 0.34479 | — | 3,228.39 | 3,228.39 | 0.13096 | 0.02619 | —       | 3,239.47 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.30102 | 0.25162 | 2.17659 | 2.98373 | 0.00590 | 0.06839 | —       | 0.06839 | 0.06292 | —       | 0.06292 | — | 534.497  | 534.497  | 0.02168 | 0.00434 | —       | 536.331  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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                      | 0.14498 | 0.12328 | 0.10159 | 1.99316 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 583.867  | 583.867  | 0.00529 | 0.00317 | 1.36616 | 586.312  |
| Vendor                      | 0.00776 | 0.00249 | 0.10843 | 0.05496 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 113.630  | 113.630  | 0.00519 | 0.01591 | 0.20837 | 118.709  |
| Hauling                     | 0.02134 | 0.00414 | 0.28396 | 0.12910 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 249.504  | 249.504  | 0.01702 | 0.03986 | 0.39345 | 262.201  |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.14498 | 0.12222 | 0.12328 | 1.71008 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 555.766 | 555.766 | 0.00635 | 0.00317 | 0.03555 | 556.907 |
| Vendor              | 0.00776 | 0.00240 | 0.11281 | 0.05610 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 113.701 | 113.701 | 0.00519 | 0.01591 | 0.00543 | 118.577 |
| Hauling             | 0.02099 | 0.00379 | 0.29366 | 0.13025 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 249.613 | 249.613 | 0.01702 | 0.03986 | 0.01019 | 261.927 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.10280 | 0.08730 | 0.08806 | 1.28460 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 402.390 | 402.390 | 0.00454 | 0.00227 | 0.42193 | 403.601 |
| Vendor              | 0.00554 | 0.00178 | 0.08117 | 0.03963 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 81.1856 | 81.1856 | 0.00370 | 0.01136 | 0.06450 | 84.7289 |
| Hauling             | 0.01512 | 0.00283 | 0.21240 | 0.09259 | 0.00132 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 178.250 | 178.250 | 0.01216 | 0.02847 | 0.12106 | 187.159 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.01876 | 0.01593 | 0.01607 | 0.23444 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 66.6203 | 66.6203 | 0.00075 | 0.00038 | 0.06985 | 66.8208 |
| Vendor              | 0.00101 | 0.00032 | 0.01481 | 0.00723 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 13.4412 | 13.4412 | 0.00061 | 0.00188 | 0.01068 | 14.0278 |
| Hauling             | 0.00276 | 0.00052 | 0.03876 | 0.01690 | 0.00024 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 29.5113 | 29.5113 | 0.00201 | 0.00471 | 0.02004 | 30.9864 |

### 3.9. Open Trench 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          | 2.25268 | 1.88300 | 16.1692 | 22.7885 | 0.04523 | 0.49704 | —       | 0.49704 | 0.45728 | —       | 0.45728 | —    | 4,519.13 | 4,519.13 | 0.18332 | 0.03666 | — | 4,534.64 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | — | —        |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 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 Equipm ent         | 2.25268 | 1.88300 | 16.1692 | 22.7885 | 0.04523 | 0.49704 | —       | 0.49704 | 0.45728 | —       | 0.45728 | — | 4,519.13 | 4,519.13 | 0.18332 | 0.03666 | —       | 4,534.64 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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 ent         | 1.60906 | 1.34500 | 11.5494 | 16.2775 | 0.03231 | 0.35503 | —       | 0.35503 | 0.32663 | —       | 0.32663 | — | 3,227.95 | 3,227.95 | 0.13094 | 0.02619 | —       | 3,239.03 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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 ent         | 0.29365 | 0.24546 | 2.10777 | 2.97064 | 0.00590 | 0.06479 | —       | 0.06479 | 0.05961 | —       | 0.05961 | — | 534.424  | 534.424  | 0.02168 | 0.00434 | —       | 536.258  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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              | 0.11905 | 0.11693 | 0.10053 | 1.88151 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 575.183 | 575.183 | 0.00529 | 0.00317 | 1.20379 | 577.465 |
| Vendor              | 0.00776 | 0.00249 | 0.10431 | 0.05289 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 109.825 | 109.825 | 0.00510 | 0.01591 | 0.18136 | 114.874 |
| Hauling             | 0.02125 | 0.00414 | 0.27267 | 0.12390 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 242.728 | 242.728 | 0.01517 | 0.03801 | 0.35561 | 254.789 |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.11905 | 0.11587 | 0.10265 | 1.61484 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 547.547 | 547.547 | 0.00635 | 0.00317 | 0.03107 | 548.683 |
| Vendor              | 0.00758 | 0.00240 | 0.10868 | 0.05413 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 109.898 | 109.898 | 0.00510 | 0.01591 | 0.00472 | 114.771 |
| Hauling             | 0.02099 | 0.00379 | 0.28413 | 0.12505 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 242.840 | 242.840 | 0.01517 | 0.03810 | 0.00921 | 254.581 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.08428 | 0.08277 | 0.07332 | 1.20335 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 396.422 | 396.422 | 0.00454 | 0.00227 | 0.37194 | 397.583 |
| Vendor              | 0.00548 | 0.00178 | 0.07822 | 0.03822 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 78.4684 | 78.4684 | 0.00364 | 0.01136 | 0.05604 | 82.0017 |
| Hauling             | 0.01512 | 0.00283 | 0.20440 | 0.08888 | 0.00132 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 173.411 | 173.411 | 0.01083 | 0.02715 | 0.10953 | 181.881 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.01538 | 0.01511 | 0.01338 | 0.21961 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 65.6322 | 65.6322 | 0.00075 | 0.00038 | 0.06158 | 65.8244 |
| Vendor              | 0.00100 | 0.00032 | 0.01428 | 0.00698 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 12.9913 | 12.9913 | 0.00060 | 0.00188 | 0.00928 | 13.5763 |
| Hauling             | 0.00276 | 0.00052 | 0.03730 | 0.01622 | 0.00024 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 28.7101 | 28.7101 | 0.00179 | 0.00449 | 0.01813 | 30.1125 |

### 3.11. Open Trench Construction (2032) - 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                    | 2.18543 | 1.82667 | 15.6495 | 22.6394 | 0.04524 | 0.45480 | —       | 0.45480 | 0.41842 | —       | 0.41842 | — | 4,519.54 | 4,519.54 | 0.18333 | 0.03667 | —       | 4,535.05 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 2.18543 | 1.82667 | 15.6495 | 22.6394 | 0.04524 | 0.45480 | —       | 0.45480 | 0.41842 | —       | 0.41842 | — | 4,519.54 | 4,519.54 | 0.18333 | 0.03667 | —       | 4,535.05 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 1.56530 | 1.30834 | 11.2088 | 16.2153 | 0.03240 | 0.32575 | —       | 0.32575 | 0.29969 | —       | 0.29969 | — | 3,237.09 | 3,237.09 | 0.13131 | 0.02626 | —       | 3,248.20 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.28567 | 0.23877 | 2.04561 | 2.95930 | 0.00591 | 0.05945 | —       | 0.05945 | 0.05469 | —       | 0.05469 | — | 535.937  | 535.937  | 0.02174 | 0.00435 | —       | 537.776  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —       | —       | —       | —       | —       | —       |
| 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                      | 0.11482 | 0.11270 | 0.07990 | 1.79051 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 566.862 | 566.862 | 0.00529 | 0.00317 | 1.05262 | 568.993 |
| Vendor                      | 0.00776 | 0.00249 | 0.10018 | 0.05092 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 105.968 | 105.968 | 0.00510 | 0.01501 | 0.15692 | 110.725 |
| Hauling                     | 0.01949 | 0.00414 | 0.26314 | 0.12055 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 236.008 | 236.008 | 0.01517 | 0.03801 | 0.31778 | 248.031 |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.11482 | 0.11270 | 0.10159 | 1.54024 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 539.632 | 539.632 | 0.00529 | 0.00317 | 0.02732 | 540.738 |
| Vendor                      | 0.00758 | 0.00240 | 0.10455 | 0.05206 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 106.043 | 106.043 | 0.00510 | 0.01501 | 0.00406 | 110.647 |
| Hauling                     | 0.01914 | 0.00379 | 0.27470 | 0.12161 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 236.122 | 236.122 | 0.01508 | 0.03810 | 0.00827 | 247.860 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.08148 | 0.07996 | 0.07276 | 1.15397 | 0.00000 | 0.00000 | 0.44372 | 0.44372 | 0.00000 | 0.10392 | 0.10392 | — | 391.769 | 391.769 | 0.00379 | 0.00227 | 0.32483 | 392.867 |
| Vendor                      | 0.00550 | 0.00178 | 0.07483 | 0.03691 | 0.00064 | 0.00064 | 0.02425 | 0.02490 | 0.00064 | 0.00671 | 0.00735 | — | 75.9216 | 75.9216 | 0.00365 | 0.01075 | 0.04837 | 79.2648 |
| Hauling                     | 0.01383 | 0.00284 | 0.19814 | 0.08666 | 0.00133 | 0.00253 | 0.05134 | 0.05387 | 0.00253 | 0.01441 | 0.01694 | — | 169.073 | 169.073 | 0.01080 | 0.02722 | 0.09863 | 177.554 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.01487 | 0.01459 | 0.01328 | 0.21060 | 0.00000 | 0.00000 | 0.08098 | 0.08098 | 0.00000 | 0.01897 | 0.01897 | — | 64.8619 | 64.8619 | 0.00063 | 0.00038 | 0.05378 | 65.0435 |
| Vendor                      | 0.00100 | 0.00033 | 0.01366 | 0.00674 | 0.00012 | 0.00012 | 0.00443 | 0.00454 | 0.00012 | 0.00122 | 0.00134 | — | 12.5697 | 12.5697 | 0.00060 | 0.00178 | 0.00801 | 13.1232 |
| Hauling                     | 0.00252 | 0.00052 | 0.03616 | 0.01582 | 0.00024 | 0.00046 | 0.00937 | 0.00983 | 0.00046 | 0.00263 | 0.00309 | — | 27.9920 | 27.9920 | 0.00179 | 0.00451 | 0.01633 | 29.3961 |

### 3.13. Open Trench Construction (2033) - 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          | 2.13058 | 1.78071 | 15.2360 | 22.6102 | 0.04524 | 0.41136 | —       | 0.41136 | 0.37846 | —       | 0.37846 | —    | 4,519.71 | 4,519.71 | 0.18334 | 0.03667 | —       | 4,535.22 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.13058 | 1.78071 | 15.2360 | 22.6102 | 0.04524 | 0.41136 | —       | 0.41136 | 0.37846 | —       | 0.37846 | —    | 4,519.71 | 4,519.71 | 0.18334 | 0.03667 | —       | 4,535.22 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 1.52184 | 1.27194 | 10.8828 | 16.1501 | 0.03232 | 0.29383 | —       | 0.29383 | 0.27033 | —       | 0.27033 | —    | 3,228.36 | 3,228.36 | 0.13096 | 0.02619 | —       | 3,239.44 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | —    | —        | —        | —       | —       | —       | —        |

## Costa Mesa Rezone Infrastructure Construction Detailed Report, 2/18/2026

|                             |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| 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          | 0.27774 | 0.23213 | 1.98612 | 2.94740 | 0.00590 | 0.05362 | —       | 0.05362 | 0.04933 | —       | 0.04933 | — | 534.492 | 534.492 | 0.02168 | 0.00434 | —       | 536.326 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —       | —       | —       | —       | —       | —       |
| 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                      | 0.11058 | 0.10847 | 0.07990 | 1.70056 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 559.786 | 559.786 | 0.00529 | 0.00317 | 0.91824 | 561.782 |
| Vendor                      | 0.00686 | 0.00249 | 0.09605 | 0.04903 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 102.058 | 102.058 | 0.00420 | 0.01501 | 0.13377 | 106.769 |
| Hauling                     | 0.01764 | 0.00414 | 0.25380 | 0.11358 | 0.00176 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 229.347 | 229.347 | 0.01332 | 0.03624 | 0.28247 | 240.764 |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.11058 | 0.10847 | 0.10053 | 1.46775 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 532.923 | 532.923 | 0.00529 | 0.00317 | 0.02382 | 534.025 |
| Vendor                      | 0.00668 | 0.00240 | 0.10051 | 0.05018 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 102.134 | 102.134 | 0.00420 | 0.01501 | 0.00347 | 106.715 |
| Hauling                     | 0.01728 | 0.00379 | 0.26367 | 0.11473 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 229.464 | 229.464 | 0.01332 | 0.03624 | 0.00736 | 240.605 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.07899 | 0.07748 | 0.07181 | 1.09904 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 385.837 | 385.837 | 0.00378 | 0.00227 | 0.28395 | 386.891 |
| Vendor                      | 0.00484 | 0.00178 | 0.07168 | 0.03534 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 72.9214 | 72.9214 | 0.00300 | 0.01072 | 0.04125 | 76.2324 |
| Hauling                     | 0.01253 | 0.00283 | 0.18966 | 0.08145 | 0.00132 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 163.855 | 163.855 | 0.00951 | 0.02589 | 0.08755 | 171.895 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker                      | 0.01442 | 0.01414 | 0.01310 | 0.20057 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 63.8798 | 63.8798 | 0.00063 | 0.00038 | 0.04701 | 64.0543 |

|         |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Vendor  | 0.00088 | 0.00032 | 0.01308 | 0.00645 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 12.0730 | 12.0730 | 0.00050 | 0.00177 | 0.00683 | 12.6211 |
| Hauling | 0.00229 | 0.00052 | 0.03461 | 0.01486 | 0.00024 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 27.1280 | 27.1280 | 0.00157 | 0.00429 | 0.01450 | 28.4591 |

### 3.15. Open Trench Construction (2034) - 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          | 2.09256 | 1.74886 | 14.9285 | 22.5759 | 0.04524 | 0.38869 | —       | 0.38869 | 0.35759 | —       | 0.35759 | —    | 4,519.50 | 4,519.50 | 0.18333 | 0.03667 | —       | 4,535.01 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.09256 | 1.74886 | 14.9285 | 22.5759 | 0.04524 | 0.38869 | —       | 0.38869 | 0.35759 | —       | 0.35759 | —    | 4,519.50 | 4,519.50 | 0.18333 | 0.03667 | —       | 4,535.01 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

## Costa Mesa Rezone Infrastructure Construction Detailed Report, 2/18/2026

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road Equipment          | 1.49469 | 1.24918 | 10.6632 | 16.1256 | 0.03231 | 0.27764 | —       | 0.27764 | 0.25542 | —       | 0.25542 | — | 3,228.21 | 3,228.21 | 0.13095 | 0.02619 | —       | 3,239.29 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.27278 | 0.22798 | 1.94603 | 2.94293 | 0.00590 | 0.05067 | —       | 0.05067 | 0.04662 | —       | 0.04662 | — | 534.468  | 534.468  | 0.02168 | 0.00434 | —       | 536.302  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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                      | 0.10635 | 0.10423 | 0.07884 | 1.63124 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 553.440  | 553.440  | 0.00423 | 0.00317 | 0.79506 | 555.287  |
| Vendor                      | 0.00677 | 0.00249 | 0.09282 | 0.04795 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 98.3609  | 98.3609  | 0.00411 | 0.01411 | 0.11383 | 102.782  |
| Hauling                     | 0.01764 | 0.00414 | 0.24436 | 0.11023 | 0.00176 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 223.329  | 223.329  | 0.01323 | 0.03624 | 0.25044 | 234.710  |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                      | 0.10741 | 0.10529 | 0.08095 | 1.39632 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 526.886  | 526.886  | 0.00529 | 0.00317 | 0.02063 | 527.985  |
| Vendor                      | 0.00660 | 0.00240 | 0.09647 | 0.04910 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 98.4390  | 98.4390  | 0.00411 | 0.01411 | 0.00296 | 102.749  |
| Hauling                     | 0.01728 | 0.00379 | 0.25424 | 0.11129 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 223.448  | 223.448  | 0.01323 | 0.03624 | 0.00651 | 234.586  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker                      | 0.07596 | 0.07445 | 0.05707 | 1.04801 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 381.470  | 381.470  | 0.00378 | 0.00227 | 0.24596 | 382.486  |

|         |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Vendor  | 0.00477 | 0.00178 | 0.06880 | 0.03463 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 70.2813 | 70.2813 | 0.00294 | 0.01008 | 0.03510 | 73.3931 |
| Hauling | 0.01247 | 0.00283 | 0.18298 | 0.07905 | 0.00126 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 159.556 | 159.556 | 0.00945 | 0.02589 | 0.07728 | 167.585 |
| Annual  | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker  | 0.01386 | 0.01359 | 0.01041 | 0.19126 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 63.1567 | 63.1567 | 0.00063 | 0.00038 | 0.04072 | 63.3250 |
| Vendor  | 0.00087 | 0.00032 | 0.01256 | 0.00632 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 11.6359 | 11.6359 | 0.00049 | 0.00167 | 0.00581 | 12.1511 |
| Hauling | 0.00228 | 0.00052 | 0.03339 | 0.01443 | 0.00023 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 26.4164 | 26.4164 | 0.00156 | 0.00429 | 0.01280 | 27.7455 |

### 3.17. Open Trench Construction (2035) - 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          | 2.04408 | 1.70817 | 14.5025 | 22.3757 | 0.04524 | 0.36086 | —       | 0.36086 | 0.33199 | —       | 0.33199 | —    | 4,519.53 | 4,519.53 | 0.18333 | 0.03667 | —       | 4,535.04 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | —       | —        |
| 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          | 2.04408 | 1.70817 | 14.5025 | 22.3757 | 0.04524 | 0.36086 | —       | 0.36086 | 0.33199 | —       | 0.33199 | —    | 4,519.53 | 4,519.53 | 0.18333 | 0.03667 | —       | 4,535.04 |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 1.46006 | 1.22012 | 10.3589 | 15.9826 | 0.03232 | 0.25775 | —       | 0.25775 | 0.23713 | —       | 0.23713 | — | 3,228.23 | 3,228.23 | 0.13095 | 0.02619 | —       | 3,239.31 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.26646 | 0.22267 | 1.89050 | 2.91683 | 0.00590 | 0.04704 | —       | 0.04704 | 0.04328 | —       | 0.04328 | — | 534.471  | 534.471  | 0.02168 | 0.00434 | —       | 536.305  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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                      | 0.10635 | 0.10423 | 0.07778 | 1.56299 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 547.810  | 547.810  | 0.00423 | 0.00317 | 0.68588 | 549.548  |
| Vendor                      | 0.00677 | 0.00257 | 0.08878 | 0.04607 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 94.7915  | 94.7915  | 0.00411 | 0.01411 | 0.09583 | 99.1947  |
| Hauling                     | 0.01579 | 0.00414 | 0.23678 | 0.10688 | 0.00176 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 217.681  | 217.681  | 0.01146 | 0.03448 | 0.21993 | 228.463  |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.10423 | 0.10212 | 0.07990 | 1.34553 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 521.546 | 521.546 | 0.00529 | 0.00317 | 0.01778 | 522.642 |
| Vendor              | 0.00660 | 0.00240 | 0.09333 | 0.04713 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 94.8711 | 94.8711 | 0.00411 | 0.01411 | 0.00248 | 99.1810 |
| Hauling             | 0.01543 | 0.00388 | 0.24674 | 0.10794 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 217.803 | 217.803 | 0.01138 | 0.03448 | 0.00570 | 228.368 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.07445 | 0.07294 | 0.05707 | 0.99851 | 0.00000 | 0.00000 | 0.44251 | 0.44251 | 0.00000 | 0.10363 | 0.10363 | — | 377.586 | 377.586 | 0.00378 | 0.00227 | 0.21196 | 378.568 |
| Vendor              | 0.00477 | 0.00178 | 0.06655 | 0.03322 | 0.00064 | 0.00064 | 0.02419 | 0.02483 | 0.00064 | 0.00669 | 0.00733 | — | 67.7321 | 67.7321 | 0.00294 | 0.01008 | 0.02958 | 70.8384 |
| Hauling             | 0.01121 | 0.00290 | 0.17757 | 0.07666 | 0.00126 | 0.00252 | 0.05120 | 0.05372 | 0.00252 | 0.01438 | 0.01690 | — | 155.523 | 155.523 | 0.00819 | 0.02463 | 0.06774 | 163.135 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.01359 | 0.01331 | 0.01041 | 0.18223 | 0.00000 | 0.00000 | 0.08076 | 0.08076 | 0.00000 | 0.01891 | 0.01891 | — | 62.5137 | 62.5137 | 0.00063 | 0.00038 | 0.03509 | 62.6763 |
| Vendor              | 0.00087 | 0.00032 | 0.01215 | 0.00606 | 0.00012 | 0.00012 | 0.00441 | 0.00453 | 0.00012 | 0.00122 | 0.00134 | — | 11.2138 | 11.2138 | 0.00049 | 0.00167 | 0.00490 | 11.7281 |
| Hauling             | 0.00205 | 0.00053 | 0.03241 | 0.01399 | 0.00023 | 0.00046 | 0.00934 | 0.00980 | 0.00046 | 0.00262 | 0.00308 | — | 25.7486 | 25.7486 | 0.00136 | 0.00408 | 0.01121 | 27.0089 |

### 3.19. Open Trench Construction (2036) - 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 ent         | 2.00052 | 1.67158 | 14.0011 | 22.1659 | 0.04524 | 0.33799 | —       | 0.33799 | 0.31095 | —       | 0.31095 | —    | 4,519.31 | 4,519.31 | 0.18332 | 0.03666 | — | 4,534.82 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | —    | —        | —        | —       | —       | — | —        |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 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          | 2.00052 | 1.67158 | 14.0011 | 22.1659 | 0.04524 | 0.33799 | —       | 0.33799 | 0.31095 | —       | 0.31095 | — | 4,519.31 | 4,519.31 | 0.18332 | 0.03666 | —       | 4,534.82 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00056 | 0.00056 | —       | 0.00008 | 0.00008 | — | —        | —        | —       | —       | —       | —        |
| 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          | 1.43286 | 1.19726 | 10.0282 | 15.8762 | 0.03240 | 0.24208 | —       | 0.24208 | 0.22272 | —       | 0.22272 | — | 3,236.92 | 3,236.92 | 0.13130 | 0.02626 | —       | 3,248.03 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00040 | 0.00040 | —       | 0.00006 | 0.00006 | — | —        | —        | —       | —       | —       | —        |
| 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          | 0.26150 | 0.21850 | 1.83015 | 2.89740 | 0.00591 | 0.04418 | —       | 0.04418 | 0.04065 | —       | 0.04065 | — | 535.909  | 535.909  | 0.02174 | 0.00435 | —       | 537.748  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.00007 | 0.00007 | —       | 0.00001 | 0.00001 | — | —        | —        | —       | —       | —       | —        |
| 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              | 0.10318 | 0.10106 | 0.07778 | 1.49579 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 542.188 | 542.188 | 0.00423 | 0.00317 | 0.59070 | 543.831 |
| Vendor              | 0.00677 | 0.00249 | 0.08565 | 0.04499 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 91.3484 | 91.3484 | 0.00411 | 0.01321 | 0.08039 | 95.4681 |
| Hauling             | 0.01579 | 0.00414 | 0.22928 | 0.10353 | 0.00176 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 212.134 | 212.134 | 0.01138 | 0.03448 | 0.19244 | 222.886 |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.10318 | 0.10106 | 0.07990 | 1.29685 | 0.00000 | 0.00000 | 0.62741 | 0.62741 | 0.00000 | 0.14706 | 0.14706 | — | 516.194 | 516.194 | 0.00423 | 0.00317 | 0.01529 | 517.262 |
| Vendor              | 0.00660 | 0.00240 | 0.09020 | 0.04614 | 0.00090 | 0.00090 | 0.03422 | 0.03512 | 0.00090 | 0.00946 | 0.01035 | — | 91.4293 | 91.4293 | 0.00411 | 0.01321 | 0.00208 | 95.4708 |
| Hauling             | 0.01543 | 0.00388 | 0.23748 | 0.10459 | 0.00185 | 0.00353 | 0.07240 | 0.07592 | 0.00353 | 0.02030 | 0.02383 | — | 212.258 | 212.258 | 0.01138 | 0.03448 | 0.00499 | 222.822 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.07390 | 0.07238 | 0.05647 | 0.96638 | 0.00000 | 0.00000 | 0.44372 | 0.44372 | 0.00000 | 0.10392 | 0.10392 | — | 374.746 | 374.746 | 0.00303 | 0.00227 | 0.18247 | 375.682 |
| Vendor              | 0.00479 | 0.00178 | 0.06449 | 0.03267 | 0.00064 | 0.00064 | 0.02425 | 0.02490 | 0.00064 | 0.00671 | 0.00735 | — | 65.4521 | 65.4521 | 0.00294 | 0.00946 | 0.02487 | 68.3701 |
| Hauling             | 0.01118 | 0.00291 | 0.17142 | 0.07447 | 0.00126 | 0.00253 | 0.05134 | 0.05387 | 0.00253 | 0.01441 | 0.01694 | — | 151.977 | 151.977 | 0.00815 | 0.02470 | 0.05943 | 159.599 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker              | 0.01349 | 0.01321 | 0.01031 | 0.17636 | 0.00000 | 0.00000 | 0.08098 | 0.08098 | 0.00000 | 0.01897 | 0.01897 | — | 62.0435 | 62.0435 | 0.00050 | 0.00038 | 0.03021 | 62.1984 |
| Vendor              | 0.00087 | 0.00033 | 0.01177 | 0.00596 | 0.00012 | 0.00012 | 0.00443 | 0.00454 | 0.00012 | 0.00122 | 0.00134 | — | 10.8363 | 10.8363 | 0.00049 | 0.00157 | 0.00412 | 11.3194 |
| Hauling             | 0.00204 | 0.00053 | 0.03128 | 0.01359 | 0.00023 | 0.00046 | 0.00937 | 0.00983 | 0.00046 | 0.00263 | 0.00309 | — | 25.1615 | 25.1615 | 0.00135 | 0.00409 | 0.00984 | 26.4235 |

## 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)

| 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

### 5.1. Construction Schedule

| Phase Name               | Phase Type | Start Date | End Date   | Days Per Week | Work Days per Phase | Phase Description |
|--------------------------|------------|------------|------------|---------------|---------------------|-------------------|
| Open Trench Construction | Trenching  | 1/2/2027   | 12/31/2036 | 5.00000       | 2,608.00            | —                 |

### 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 |
|--------------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Open Trench Construction | Excavators                 | Diesel    | Average     | 1.000000       | 5.00000       | 36.0000    | 0.38000     |
| Open Trench Construction | Cranes                     | Diesel    | Average     | 1.000000       | 4.00000       | 367.000    | 0.29000     |
| Open Trench Construction | Generator Sets             | Diesel    | Average     | 1.000000       | 2.00000       | 14.0000    | 0.74000     |
| Open Trench Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.000000       | 4.00000       | 84.0000    | 0.37000     |
| Open Trench Construction | Rubber Tired Loaders       | Diesel    | Average     | 1.000000       | 4.00000       | 150.000    | 0.36000     |
| Open Trench Construction | Welders                    | Diesel    | Average     | 1.000000       | 6.00000       | 46.0000    | 0.45000     |
| Open Trench Construction | Sweepers/Scrubbers         | Diesel    | Average     | 1.000000       | 3.00000       | 36.0000    | 0.46000     |
| Open Trench Construction | Cranes                     | Diesel    | Average     | 1.000000       | 5.00000       | 367.000    | 0.29000     |
| Open Trench Construction | Concrete/Industrial Saws   | Diesel    | Average     | 1.000000       | 8.00000       | 33.0000    | 0.73000     |
| Open Trench Construction | Generator Sets             | Diesel    | Average     | 1.000000       | 6.00000       | 14.0000    | 0.74000     |
| Open Trench Construction | Skid Steer Loaders         | Diesel    | Average     | 1.000000       | 4.00000       | 71.0000    | 0.37000     |

|                          |                          |        |         |          |         |         |         |
|--------------------------|--------------------------|--------|---------|----------|---------|---------|---------|
| Open Trench Construction | Forklifts                | Diesel | Average | 1.000000 | 5.00000 | 82.0000 | 0.20000 |
| Open Trench Construction | Air Compressors          | Diesel | Average | 1.000000 | 5.00000 | 37.0000 | 0.48000 |
| Open Trench Construction | Paving Equipment         | Diesel | Average | 1.000000 | 8.00000 | 89.0000 | 0.36000 |
| Open Trench Construction | Plate Compactors         | Diesel | Average | 1.000000 | 8.00000 | 8.00000 | 0.43000 |
| Open Trench Construction | Rollers                  | Diesel | Average | 1.000000 | 8.00000 | 36.0000 | 0.38000 |
| Open Trench Construction | Concrete/Industrial Saws | Diesel | Average | 1.000000 | 8.00000 | 33.0000 | 0.73000 |
| Open Trench Construction | Pavers                   | Diesel | Average | 1.000000 | 8.00000 | 81.0000 | 0.42000 |
| Open Trench Construction | Cranes                   | Diesel | Average | 1.000000 | 8.00000 | 367.000 | 0.29000 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name               | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|--------------------------|--------------|-----------------------|----------------|---------------|
| Open Trench Construction | Worker       | 48.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Open Trench Construction | Vendor       | 4.00000               | 10.2000        | HHDT,MHDT     |
| Open Trench Construction | Hauling      | 4.00000               | 20.0000        | HHDT          |
| Open Trench Construction | Onsite truck | —                     | —              | 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 (sq. ft.) | Acres Paved (acres) |
|--------------------------|---------------------------------|---------------------------------|----------------------|-------------------------------|---------------------|
| Open Trench Construction | —                               | 70,416.0                        | 0.00000              | 0.00000                       | 0.00000             |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|----------------------------|---------------------|----------------|-----------------|
| Water Exposed Area         | 2                   | 61%            | 61%             |

## 5.7. Construction Paving

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2     | CH4     | N2O     |
|------|--------------|---------|---------|---------|
| 2027 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2031 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2032 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2033 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2034 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2030 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2029 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2035 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2028 | 0.00000      | 531.983 | 0.03300 | 0.00400 |
| 2036 | 0.00000      | 531.983 | 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. 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 | 9.33000                     | annual days of extreme heat                |
| Extreme Precipitation        | 3.30000                     | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 0.00000                     | 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  $\frac{3}{4}$  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               | 1              | 0                 | 0                       | N/A                 |
| Wildfire                     | 1              | 0                 | 0                       | N/A                 |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | N/A            | N/A               | N/A                     | 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               | 1              | 1                 | 1                       | 2                   |

|                         |     |     |     |     |
|-------------------------|-----|-----|-----|-----|
| Wildfire                | 1   | 1   | 1   | 2   |
| Flooding                | N/A | N/A | N/A | N/A |
| Drought                 | N/A | N/A | N/A | N/A |
| 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               | 56.5899                         |
| AQ-DPM              | 28.4505                         |
| Drinking Water      | 6.18209                         |
| Lead Risk Housing   | 37.1393                         |
| Pesticides          | 35.4483                         |
| Toxic Releases      | 85.5839                         |
| Traffic             | 62.3750                         |
| Effect Indicators   | —                               |
| CleanUp Sites       | 53.4341                         |
| Groundwater         | 3.30400                         |

|                                 |         |
|---------------------------------|---------|
| Haz Waste Facilities/Generators | 52.6406 |
| Impaired Water Bodies           | 0.00000 |
| Solid Waste                     | 52.8981 |
| Sensitive Population            | —       |
| Asthma                          | 28.4272 |
| Cardio-vascular                 | 24.6635 |
| Low Birth Weights               | 74.0185 |
| Socioeconomic Factor Indicators | —       |
| Education                       | 50.5189 |
| Housing                         | 87.4905 |
| Linguistic                      | 29.5304 |
| Poverty                         | 52.4121 |
| Unemployment                    | 41.8402 |

## 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          | 51.89272424                     |
| Employed               | 84.28076479                     |
| Median HI              | 45.86167073                     |
| Education              | —                               |
| Bachelor's or higher   | 76.14525857                     |
| High school enrollment | 100                             |
| Preschool enrollment   | 33.63274734                     |
| Transportation         | —                               |
| Auto Access            | 26.17733864                     |
| Active commuting       | 80.08469139                     |

|                                              |             |
|----------------------------------------------|-------------|
| Social                                       | —           |
| 2-parent households                          | 43.35942513 |
| Voting                                       | 14.80816117 |
| Neighborhood                                 | —           |
| Alcohol availability                         | 39.62530476 |
| Park access                                  | 81.35506224 |
| Retail density                               | 44.83510843 |
| Supermarket access                           | 73.86115745 |
| Tree canopy                                  | 46.52893622 |
| Housing                                      | —           |
| Homeownership                                | 14.48736045 |
| Housing habitability                         | 34.04337226 |
| Low-inc homeowner severe housing cost burden | 10.41960734 |
| Low-inc renter severe housing cost burden    | 64.32696009 |
| Uncrowded housing                            | 54.07416913 |
| Health Outcomes                              | —           |
| Insured adults                               | 65.67432311 |
| Arthritis                                    | 86.1        |
| Asthma ER Admissions                         | 65.2        |
| High Blood Pressure                          | 79.9        |
| Cancer (excluding skin)                      | 52.2        |
| Asthma                                       | 58.2        |
| Coronary Heart Disease                       | 83.6        |
| Chronic Obstructive Pulmonary Disease        | 74.0        |
| Diagnosed Diabetes                           | 89.8        |
| Life Expectancy at Birth                     | 17.8        |
| Cognitively Disabled                         | 17.4        |
| Physically Disabled                          | 55.6        |

|                                       |      |
|---------------------------------------|------|
| Heart Attack ER Admissions            | 73.4 |
| Mental Health Not Good                | 63.6 |
| Chronic Kidney Disease                | 90.3 |
| Obesity                               | 79.9 |
| Pedestrian Injuries                   | 81.6 |
| Physical Health Not Good              | 78.6 |
| Stroke                                | 84.7 |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 5.2  |
| Current Smoker                        | 60.5 |
| No Leisure Time for Physical Activity | 75.4 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 95.2 |
| Children                              | 81.0 |
| Elderly                               | 65.5 |
| English Speaking                      | 71.7 |
| Foreign-born                          | 33.1 |
| Outdoor Workers                       | 81.2 |
| Climate Change Adaptive Capacity      | —    |
| Impervious Surface Cover              | 54.9 |
| Traffic Density                       | 56.6 |
| Traffic Access                        | 62.5 |
| Other Indices                         | —    |
| Hardship                              | 20.7 |
| Other Decision Support                | —    |
| 2016 Voting                           | 57.1 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 48.0000                         |
| Healthy Places Index Score for Project Location (b)                                 | 58.0000                         |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535)           | No                              |
| Project Located in a Low-Income Community (Assembly Bill 1550)                      | Yes                             |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No                              |

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         | Open trenching phase to account for construction of pipeline infrastructure over 10 years.                                                  |
| Construction: Off-Road Equipment          | Equipment from representative project.                                                                                                      |
| Construction: Dust From Material Movement | Estimated 27 cubic yards per day to be exported during open trench construction. Watering twice per day in compliance with SCAQMD Rule 403. |
| Construction: Trips and VMT               | Added vendor trucks as water trucks. Rounded up defaults to nearest even integer.                                                           |

### 8.4. Construction

## 8.4.6. Trips and VMT

| Phase Name               | Trip Type | Model Parameter       | Default Value | New Value |
|--------------------------|-----------|-----------------------|---------------|-----------|
| Open Trench Construction | Worker    | One-Way Trips per Day | 47.5000       | 48.0000   |
| Open Trench Construction | Hauling   | One-Way Trips per Day | 3.37500       | 4.00000   |