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## **APPENDIX D2**

### **Air Quality and Greenhouse Gas Emissions Calculations**

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## **APPENDIX D2.1**

### **Phase 1 CalEEMod With Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center - Phase 1 Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                      |
|-----------------------------|------------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center - Phase 1 |
| Construction Start Date     | 9/1/2027                                                   |
| Operational Year            | 2029                                                       |
| Lead Agency                 | —                                                          |
| Land Use Scale              | Project/site                                               |
| Analysis Level for Defaults | County                                                     |
| Windspeed (m/s)             | 2.50                                                       |
| Precipitation (days)        | 24.0                                                       |
| Location                    | 34.07231170887854, -117.22884775664832                     |
| County                      | San Bernardino-South Coast                                 |
| City                        | Redlands                                                   |
| Air District                | South Coast AQMD                                           |
| Air Basin                   | South Coast                                                |
| TAZ                         | 5394                                                       |
| EDFZ                        | 10                                                         |
| Electric Utility            | Southern California Edison                                 |
| Gas Utility                 | Southern California Gas                                    |
| App Version                 | 2022.1.1.30                                                |

## 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 |
|-------------------------|------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Medical Office Building | 165  | 1000sqft | 0.83        | 165,000               | 411,000                | —                              | —          | —           |

|             |     |       |      |      |      |   |   |   |
|-------------|-----|-------|------|------|------|---|---|---|
| Parking Lot | 825 | Space | 7.42 | 0.00 | 0.00 | — | — | — |
|-------------|-----|-------|------|------|------|---|---|---|

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

| Sector         | #     | Measure Title                                                                  |
|----------------|-------|--------------------------------------------------------------------------------|
| Construction   | C-9   | Use Dust Suppressants                                                          |
| Construction   | C-13  | Use Low-VOC Paints for Construction                                            |
| Transportation | T-11* | Provide Employer-Sponsored Vanpool                                             |
| Transportation | T-14* | Provide Electric Vehicle Charging Infrastructure                               |
| Area Sources   | AS-1  | Use Low-VOC Cleaning Supplies                                                  |
| Area Sources   | LL-1  | Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment |
| Area Sources   | AS-2  | Use Low-VOC Paints                                                             |

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

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Unmit.              | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 3.31  | 3.46  | 0.28   | 0.51   | 0.64   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| Mit.                | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 3.31  | 3.46  | 0.28   | 0.51   | 0.64   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Unmit.              | 29.6 | 29.6 | 28.0 | 29.2 | 0.05 | 1.17  | 5.34  | 6.51  | 1.08   | 2.68   | 3.76   | —    | 5,515 | 5,515 | 0.22 | 0.16 | 0.10 | 5,536 |



|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Mit.                | 29.6 | 29.6 | 28.0 | 29.2 | 0.05    | 1.17 | 5.34 | 6.51 | 1.08 | 2.68 | 3.76 | — | 5,515 | 5,515 | 0.22 | 0.16 | 0.10 | 5,536 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Average Daily (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 2.72 | 2.66 | 7.26 | 11.5 | 0.02    | 0.23 | 0.68 | 0.91 | 0.21 | 0.22 | 0.39 | — | 2,727 | 2,727 | 0.11 | 0.11 | 1.11 | 2,765 |
| Mit.                | 2.72 | 2.66 | 7.26 | 11.5 | 0.02    | 0.23 | 0.68 | 0.91 | 0.21 | 0.22 | 0.39 | — | 2,727 | 2,727 | 0.11 | 0.11 | 1.11 | 2,765 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max)        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 0.50 | 0.49 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.12 | 0.17 | 0.04 | 0.04 | 0.07 | — | 452   | 452   | 0.02 | 0.02 | 0.18 | 458   |
| Mit.                | 0.50 | 0.49 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.12 | 0.17 | 0.04 | 0.04 | 0.07 | — | 452   | 452   | 0.02 | 0.02 | 0.18 | 458   |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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                 | 0.87 | 0.72 | 5.04 | 6.93 | 0.02 | 0.15  | 3.31  | 3.46  | 0.14   | 0.51   | 0.64   | —    | 2,027 | 2,027 | 0.09 | 0.04 | 0.34 | 2,041 |
| 2028                 | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 0.92  | 1.23  | 0.28   | 0.23   | 0.51   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| 2029                 | 1.11 | 0.98 | 6.50 | 10.8 | 0.01 | 0.24  | 0.20  | 0.44  | 0.22   | 0.05   | 0.27   | —    | 1,706 | 1,706 | 0.06 | 0.02 | 0.51 | 1,714 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 3.71 | 3.12 | 28.0 | 29.2 | 0.05 | 1.17  | 5.34  | 6.51  | 1.08   | 2.68   | 3.76   | —    | 5,515 | 5,515 | 0.22 | 0.05 | 0.02 | 5,536 |
| 2028                 | 1.91 | 1.62 | 13.8 | 18.0 | 0.03 | 0.57  | 2.04  | 2.61  | 0.52   | 0.94   | 1.46   | —    | 3,827 | 3,827 | 0.16 | 0.16 | 0.10 | 3,880 |
| 2029                 | 29.6 | 29.6 | 9.57 | 15.6 | 0.03 | 0.28  | 0.92  | 1.20  | 0.26   | 0.23   | 0.49   | —    | 3,794 | 3,794 | 0.16 | 0.16 | 0.09 | 3,846 |

|               |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Average Daily | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| 2027          | 0.36 | 0.30 | 2.55 | 2.88 | 0.01    | 0.10 | 0.59 | 0.69 | 0.09 | 0.22 | 0.32 | — | 574   | 574   | 0.02    | 0.01    | 0.04 | 577   |
| 2028          | 1.06 | 0.87 | 7.26 | 11.5 | 0.02    | 0.23 | 0.68 | 0.91 | 0.21 | 0.18 | 0.39 | — | 2,727 | 2,727 | 0.11    | 0.11    | 1.11 | 2,765 |
| 2029          | 2.72 | 2.66 | 2.30 | 3.78 | 0.01    | 0.08 | 0.13 | 0.21 | 0.07 | 0.03 | 0.10 | — | 720   | 720   | 0.03    | 0.02    | 0.19 | 727   |
| Annual        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| 2027          | 0.06 | 0.05 | 0.47 | 0.53 | < 0.005 | 0.02 | 0.11 | 0.13 | 0.02 | 0.04 | 0.06 | — | 95.1  | 95.1  | < 0.005 | < 0.005 | 0.01 | 95.5  |
| 2028          | 0.19 | 0.16 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.12 | 0.17 | 0.04 | 0.03 | 0.07 | — | 452   | 452   | 0.02    | 0.02    | 0.18 | 458   |
| 2029          | 0.50 | 0.49 | 0.42 | 0.69 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | — | 119   | 119   | < 0.005 | < 0.005 | 0.03 | 120   |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|----------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 0.87 | 0.72 | 5.04 | 6.93 | 0.02 | 0.15  | 3.31  | 3.46  | 0.14   | 0.51   | 0.64   | —    | 2,027 | 2,027 | 0.09 | 0.04 | 0.34 | 2,041 |
| 2028                 | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 0.92  | 1.23  | 0.28   | 0.23   | 0.51   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| 2029                 | 1.11 | 0.98 | 6.50 | 10.8 | 0.01 | 0.24  | 0.20  | 0.44  | 0.22   | 0.05   | 0.27   | —    | 1,706 | 1,706 | 0.06 | 0.02 | 0.51 | 1,714 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 3.71 | 3.12 | 28.0 | 29.2 | 0.05 | 1.17  | 5.34  | 6.51  | 1.08   | 2.68   | 3.76   | —    | 5,515 | 5,515 | 0.22 | 0.05 | 0.02 | 5,536 |
| 2028                 | 1.91 | 1.62 | 13.8 | 18.0 | 0.03 | 0.57  | 2.04  | 2.61  | 0.52   | 0.94   | 1.46   | —    | 3,827 | 3,827 | 0.16 | 0.16 | 0.10 | 3,880 |
| 2029                 | 29.6 | 29.6 | 9.57 | 15.6 | 0.03 | 0.28  | 0.92  | 1.20  | 0.26   | 0.23   | 0.49   | —    | 3,794 | 3,794 | 0.16 | 0.16 | 0.09 | 3,846 |
| Average Daily        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 0.36 | 0.30 | 2.55 | 2.88 | 0.01 | 0.10  | 0.59  | 0.69  | 0.09   | 0.22   | 0.32   | —    | 574   | 574   | 0.02 | 0.01 | 0.04 | 577   |
| 2028                 | 1.06 | 0.87 | 7.26 | 11.5 | 0.02 | 0.23  | 0.68  | 0.91  | 0.21   | 0.18   | 0.39   | —    | 2,727 | 2,727 | 0.11 | 0.11 | 1.11 | 2,765 |
| 2029                 | 2.72 | 2.66 | 2.30 | 3.78 | 0.01 | 0.08  | 0.13  | 0.21  | 0.07   | 0.03   | 0.10   | —    | 720   | 720   | 0.03 | 0.02 | 0.19 | 727   |

|        |      |      |      |      |         |      |      |      |      |      |      |   |      |      |         |         |      |      |
|--------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| Annual | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| 2027   | 0.06 | 0.05 | 0.47 | 0.53 | < 0.005 | 0.02 | 0.11 | 0.13 | 0.02 | 0.04 | 0.06 | — | 95.1 | 95.1 | < 0.005 | < 0.005 | 0.01 | 95.5 |
| 2028   | 0.19 | 0.16 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.12 | 0.17 | 0.04 | 0.03 | 0.07 | — | 452  | 452  | 0.02    | 0.02    | 0.18 | 458  |
| 2029   | 0.50 | 0.49 | 0.42 | 0.69 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | — | 119  | 119  | < 0.005 | < 0.005 | 0.03 | 120  |

## 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.              | 18.4 | 17.0 | 11.6   | 110  | 0.28 | 0.27  | 25.0  | 25.3   | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102  | 1.39 | 74.6 | 38,246 |
| Mit.                | 16.9 | 15.6 | 11.5   | 103  | 0.28 | 0.26  | 25.0  | 25.3   | 0.25   | 6.36   | 6.61   | 1,000 | 34,192 | 35,192 | 102  | 1.39 | 74.6 | 38,223 |
| % Reduced           | 8%   | 8%   | 1%     | 7%   | —    | 5%    | —     | < 0.5% | 4%     | —      | < 0.5% | —     | < 0.5% | < 0.5% | —    | —    | —    | < 0.5% |
| Daily, Winter (Max) | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 16.4 | 15.1 | 12.3   | 87.1 | 0.26 | 0.26  | 25.0  | 25.3   | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102  | 1.43 | 6.04 | 36,435 |
| Mit.                | 16.1 | 14.8 | 12.3   | 87.1 | 0.26 | 0.26  | 25.0  | 25.3   | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102  | 1.43 | 6.04 | 36,435 |
| % Reduced           | 2%   | 2%   | —      | —    | —    | —     | —     | —      | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 14.4 | 13.3 | 9.98   | 75.3 | 0.21 | 0.23  | 19.2  | 19.4   | 0.22   | 4.87   | 5.09   | 1,000 | 26,891 | 27,891 | 101  | 1.15 | 27.9 | 30,798 |
| Mit.                | 13.3 | 12.3 | 9.94   | 70.4 | 0.21 | 0.22  | 19.2  | 19.4   | 0.22   | 4.87   | 5.09   | 1,000 | 26,875 | 27,875 | 101  | 1.15 | 27.9 | 30,782 |
| % Reduced           | 8%   | 8%   | < 0.5% | 7%   | —    | 4%    | —     | < 0.5% | 3%     | —      | < 0.5% | —     | < 0.5% | < 0.5% | —    | —    | —    | < 0.5% |
| Annual (Max)        | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 2.63 | 2.43 | 1.82   | 13.7 | 0.04 | 0.04  | 3.50  | 3.54   | 0.04   | 0.89   | 0.93   | 166   | 4,452  | 4,618  | 16.8 | 0.19 | 4.61 | 5,099  |

|           |      |      |        |      |        |      |      |        |      |      |        |     |        |        |        |        |      |        |
|-----------|------|------|--------|------|--------|------|------|--------|------|------|--------|-----|--------|--------|--------|--------|------|--------|
| Mit.      | 2.42 | 2.24 | 1.81   | 12.8 | 0.04   | 0.04 | 3.50 | 3.54   | 0.04 | 0.89 | 0.93   | 166 | 4,449  | 4,615  | 16.8   | 0.19   | 4.61 | 5,096  |
| % Reduced | 8%   | 8%   | < 0.5% | 7%   | < 0.5% | 4%   | —    | < 0.5% | 3%   | —    | < 0.5% | —   | < 0.5% | < 0.5% | < 0.5% | < 0.5% | —    | < 0.5% |

## 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              | 13.2 | 12.0 | 10.3 | 102  | 0.27    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 27,868 | 27,868 | 1.21    | 1.25    | 70.4 | 28,342 |
| Area                | 5.07 | 4.97 | 0.06 | 7.18 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —     | 29.5   | 29.5   | < 0.005 | < 0.005 | —    | 29.6   |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total               | 18.4 | 17.0 | 11.6 | 110  | 0.28    | 0.27  | 25.0  | 25.3  | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102     | 1.39    | 74.6 | 38,246 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Mobile              | 12.4 | 11.2 | 11.0 | 86.1 | 0.25    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 26,142 | 26,142 | 1.26    | 1.29    | 1.82 | 26,560 |
| Area                | 3.79 | 3.79 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total               | 16.4 | 15.1 | 12.3 | 87.1 | 0.26    | 0.26  | 25.0  | 25.3  | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102     | 1.43    | 6.04 | 36,435 |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.61 | 8.66 | 8.72 | 69.4 | 0.20    | 0.13  | 19.2  | 19.3  | 0.12   | 4.87   | 4.99   | —     | 20,553 | 20,553 | 0.98    | 1.01    | 23.6 | 20,903 |

|         |      |      |      |      |         |         |      |         |         |      |         |       |        |        |         |         |      |        |
|---------|------|------|------|------|---------|---------|------|---------|---------|------|---------|-------|--------|--------|---------|---------|------|--------|
| Area    | 4.67 | 4.60 | 0.04 | 4.92 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | —     | 20.2   | 20.2   | < 0.005 | < 0.005 | —    | 20.3   |
| Energy  | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09    | —    | 0.09    | 0.09    | —    | 0.09    | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total   | 14.4 | 13.3 | 9.98 | 75.3 | 0.21    | 0.23    | 19.2 | 19.4    | 0.22    | 4.87 | 5.09    | 1,000 | 26,891 | 27,891 | 101     | 1.15    | 27.9 | 30,798 |
| Annual  | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | —    | —      |
| Mobile  | 1.75 | 1.58 | 1.59 | 12.7 | 0.04    | 0.02    | 3.50 | 3.52    | 0.02    | 0.89 | 0.91    | —     | 3,403  | 3,403  | 0.16    | 0.17    | 3.91 | 3,461  |
| Area    | 0.85 | 0.84 | 0.01 | 0.90 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —     | 3.35   | 3.35   | < 0.005 | < 0.005 | —    | 3.36   |
| Energy  | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | —     | 1,003  | 1,003  | 0.07    | 0.01    | —    | 1,007  |
| Water   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 6.57  | 42.5   | 49.0   | 0.68    | 0.02    | —    | 70.8   |
| Waste   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 159   | 0.00   | 159    | 15.9    | 0.00    | —    | 556    |
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 0.70 | 0.70   |
| Total   | 2.63 | 2.43 | 1.82 | 13.7 | 0.04    | 0.04    | 3.50 | 3.54    | 0.04    | 0.89 | 0.93    | 166   | 4,452  | 4,618  | 16.8    | 0.19    | 4.61 | 5,099  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Area                | 3.53 | 3.53 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01 | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,068  | 6,068  | 0.41 | 0.04 | —    | 6,089  |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08 | 0.10 | —    | 428    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0 | 0.00 | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | 4.22 | 4.22   |
| Total               | 16.9 | 15.6 | 11.5 | 103  | 0.28 | 0.26  | 25.0  | 25.3  | 0.25   | 6.36   | 6.61   | 1,000 | 34,192 | 35,192 | 102  | 1.39 | 74.6 | 38,223 |

|                     |      |      |      |      |         |      |      |      |      |      |      |       |        |        |      |      |      |        |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|-------|--------|--------|------|------|------|--------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Mobile              | 12.4 | 11.2 | 11.0 | 86.1 | 0.25    | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | —     | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Area                | 3.53 | 3.53 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | —    | 0.09 | 0.09 | —    | 0.09 | —     | 6,061  | 6,061  | 0.41 | 0.04 | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 39.7  | 256    | 296    | 4.08 | 0.10 | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 960   | 0.00   | 960    | 96.0 | 0.00 | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | 4.22 | 4.22   |
| Total               | 16.1 | 14.8 | 12.3 | 87.1 | 0.26    | 0.26 | 25.0 | 25.3 | 0.25 | 6.36 | 6.61 | 1,000 | 32,460 | 33,460 | 102  | 1.43 | 6.04 | 36,435 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Mobile              | 9.61 | 8.66 | 8.72 | 69.4 | 0.20    | 0.13 | 19.2 | 19.3 | 0.12 | 4.87 | 4.99 | —     | 20,553 | 20,553 | 0.98 | 1.01 | 23.6 | 20,903 |
| Area                | 3.53 | 3.53 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | —    | 0.09 | 0.09 | —    | 0.09 | —     | 6,066  | 6,066  | 0.41 | 0.04 | —    | 6,087  |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 39.7  | 256    | 296    | 4.08 | 0.10 | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 960   | 0.00   | 960    | 96.0 | 0.00 | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | 4.22 | 4.22   |
| Total               | 13.3 | 12.3 | 9.94 | 70.4 | 0.21    | 0.22 | 19.2 | 19.4 | 0.22 | 4.87 | 5.09 | 1,000 | 26,875 | 27,875 | 101  | 1.15 | 27.9 | 30,782 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Mobile              | 1.75 | 1.58 | 1.59 | 12.7 | 0.04    | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | —     | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |
| Area                | 0.64 | 0.64 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | —    | —      |
| Energy              | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | —     | 1,004  | 1,004  | 0.07 | 0.01 | —    | 1,008  |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 6.57  | 42.5   | 49.0   | 0.68 | 0.02 | —    | 70.8   |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 159   | 0.00   | 159    | 15.9 | 0.00 | —    | 556    |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —     | —      | —      | —    | —    | 0.70 | 0.70   |
| Total               | 2.42 | 2.24 | 1.81 | 12.8 | 0.04    | 0.04 | 3.50 | 3.54 | 0.04 | 0.89 | 0.93 | 166   | 4,449  | 4,615  | 16.8 | 0.19 | 4.61 | 5,096  |

### 3. Construction Emissions Details

## 3.1. Demolition (2027) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.85 | 0.71 | 4.88 | 6.70 | 0.02    | 0.15    | —     | 0.15    | 0.13    | —      | 0.13    | —    | 1,867 | 1,867 | 0.08    | 0.02    | —    | 1,874 |
| Demolition          | —    | —    | —    | —    | —       | —       | 3.25  | 3.25    | —       | 0.49   | 0.49    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.05 | 0.04 | 0.29 | 0.40 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 113   | 113   | < 0.005 | < 0.005 | —    | 113   |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.20  | 0.20    | —       | 0.03   | 0.03    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 18.6  | 18.6  | < 0.005 | < 0.005 | —    | 18.7  |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.04  | 0.04    | —       | 0.01   | 0.01    | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 27.1 | 27.1 | < 0.005 | < 0.005 | 0.09    | 27.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.02    | < 0.005 | 0.15    | 0.09    | < 0.005 | < 0.005 | 0.04    | 0.04    | < 0.005 | 0.01    | 0.01    | — | 133  | 133  | 0.01    | 0.02    | 0.25    | 140  |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.52 | 1.52 | < 0.005 | < 0.005 | < 0.005 | 1.54 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.02 | 8.02 | < 0.005 | < 0.005 | 0.01    | 8.44 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.25 | 0.25 | < 0.005 | < 0.005 | < 0.005 | 0.25 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.33 | 1.33 | < 0.005 | < 0.005 | < 0.005 | 1.40 |

### 3.2. Demolition (2027) - Mitigated

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

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



|                     |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment  | 0.85 | 0.71 | 4.88 | 6.70 | 0.02    | 0.15    | —    | 0.15    | 0.13    | —    | 0.13    | — | 1,867 | 1,867 | 0.08    | 0.02    | —    | 1,874 |
| Demolition          | —    | —    | —    | —    | —       | —       | 3.25 | 3.25    | —       | 0.49 | 0.49    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.05 | 0.04 | 0.29 | 0.40 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 113   | 113   | < 0.005 | < 0.005 | —    | 113   |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.20 | 0.20    | —       | 0.03 | 0.03    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 18.6  | 18.6  | < 0.005 | < 0.005 | —    | 18.7  |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.04 | 0.04    | —       | 0.01 | 0.01    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.01 | 0.01 | 0.01 | 0.13 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01 | 0.01    | — | 27.1  | 27.1  | < 0.005 | < 0.005 | 0.09 | 27.4  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling             | 0.02    | < 0.005 | 0.15    | 0.09    | < 0.005 | < 0.005 | 0.04    | 0.04    | < 0.005 | 0.01    | 0.01    | — | 133  | 133  | 0.01    | 0.02    | 0.25    | 140  |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.52 | 1.52 | < 0.005 | < 0.005 | < 0.005 | 1.54 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.02 | 8.02 | < 0.005 | < 0.005 | 0.01    | 8.44 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.25 | 0.25 | < 0.005 | < 0.005 | < 0.005 | 0.25 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.33 | 1.33 | < 0.005 | < 0.005 | < 0.005 | 1.40 |

### 3.3. Site Preparation (2027) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment          | 3.63 | 3.05 | 28.0 | 28.3 | 0.05 | 1.17  | —     | 1.17  | 1.08   | —      | 1.08   | —    | 5,298 | 5,298 | 0.21 | 0.04 | — | 5,316 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 5.11  | 5.11  | —      | 2.63   | 2.63   | —    | —     | —     | —    | —    | — | —     |

|                             |      |      |      |      |         |      |      |      |      |      |      |   |      |      |         |         |      |      |
|-----------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.22 | 0.18 | 1.69 | 1.70 | < 0.005 | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | — | 319  | 319  | 0.01    | < 0.005 | —    | 320  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.31 | 0.31 | —    | 0.16 | 0.16 | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.04 | 0.03 | 0.31 | 0.31 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 52.9 | 52.9 | < 0.005 | < 0.005 | —    | 53.0 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.06 | 0.06 | —    | 0.03 | 0.03 | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker                      | 0.08 | 0.07 | 0.07 | 0.88 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 217  | 217  | < 0.005 | 0.01    | 0.02 | 220  |
| Vendor                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

|               |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 13.3 | 13.3 | < 0.005 | < 0.005 | 0.02    | 13.4 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.20 | 2.20 | < 0.005 | < 0.005 | < 0.005 | 2.23 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2027) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 3.63 | 3.05 | 28.0 | 28.3 | 0.05 | 1.17  | —     | 1.17  | 1.08   | —      | 1.08   | —    | 5,298 | 5,298 | 0.21 | 0.04 | —    | 5,316 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 5.11  | 5.11  | —      | 2.63   | 2.63   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                             |         |         |         |      |         |      |      |      |      |         |         |   |      |      |         |         |      |      |
|-----------------------------|---------|---------|---------|------|---------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Off-Road                    | 0.22    | 0.18    | 1.69    | 1.70 | < 0.005 | 0.07 | —    | 0.07 | 0.06 | —       | 0.06    | — | 319  | 319  | 0.01    | < 0.005 | —    | 320  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.31 | 0.31 | —    | 0.16    | 0.16    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.04    | 0.03    | 0.31    | 0.31 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —       | 0.01    | — | 52.9 | 52.9 | < 0.005 | < 0.005 | —    | 53.0 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.06 | 0.06 | —    | 0.03    | 0.03    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                      | 0.08    | 0.07    | 0.07    | 0.88 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00 | 0.05    | 0.05    | — | 217  | 217  | < 0.005 | 0.01    | 0.02 | 220  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 13.3 | 13.3 | < 0.005 | < 0.005 | 0.02 | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |

|         |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.20 | 2.20 | < 0.005 | < 0.005 | < 0.005 | 2.23 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Grading (2027) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.89 | 1.59 | 14.2 | 17.3 | 0.03    | 0.60  | —     | 0.60  | 0.55   | —      | 0.55   | —    | 2,960 | 2,960 | 0.12    | 0.02    | —    | 2,970 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 1.84  | 1.84  | —      | 0.89   | 0.89   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.06 | 0.05 | 0.45 | 0.54 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 92.7  | 92.7  | < 0.005 | < 0.005 | —    | 93.0  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.06  | 0.06  | —      | 0.03   | 0.03   | —    | —     | —     | —       | —       | —    | —     |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.01    | 0.01    | 0.08    | 0.10    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 15.3 | 15.3 | < 0.005 | < 0.005 | —       | 15.4 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.07    | 0.06    | 0.06    | 0.76    | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 186  | 186  | < 0.005 | 0.01    | 0.02    | 188  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 5.91 | 5.91 | < 0.005 | < 0.005 | 0.01    | 5.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.98 | 0.98 | < 0.005 | < 0.005 | < 0.005 | 0.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.6. Grading (2027) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.89 | 1.59 | 14.2 | 17.3 | 0.03    | 0.60  | —     | 0.60  | 0.55   | —      | 0.55   | —    | 2,960 | 2,960 | 0.12    | 0.02    | —    | 2,970 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 1.84  | 1.84  | —      | 0.89   | 0.89   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.06 | 0.05 | 0.45 | 0.54 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 92.7  | 92.7  | < 0.005 | < 0.005 | —    | 93.0  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.06  | 0.06  | —      | 0.03   | 0.03   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |



|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment          | 0.01    | 0.01    | 0.08    | 0.10    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 15.3 | 15.3 | < 0.005 | < 0.005 | —       | 15.4 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.07    | 0.06    | 0.06    | 0.76    | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 186  | 186  | < 0.005 | 0.01    | 0.02    | 188  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 5.91 | 5.91 | < 0.005 | < 0.005 | 0.01    | 5.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.98 | 0.98 | < 0.005 | < 0.005 | < 0.005 | 0.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Grading (2028) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.86 | 1.56 | 13.8 | 17.3 | 0.03    | 0.57    | —     | 0.57    | 0.52    | —      | 0.52    | —    | 2,961 | 2,961 | 0.12    | 0.02    | —    | 2,971 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 1.84  | 1.84    | —       | 0.89   | 0.89    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.05 | 0.05 | 0.40 | 0.51 | < 0.005 | 0.02    | —     | 0.02    | 0.02    | —      | 0.02    | —    | 86.9  | 86.9  | < 0.005 | < 0.005 | —    | 87.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.05  | 0.05    | —       | 0.03   | 0.03    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.07 | 0.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 14.4  | 14.4  | < 0.005 | < 0.005 | —    | 14.4  |

|                             |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —    | —    | 0.01    | 0.01    | —    | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.06    | 0.06    | 0.05    | 0.70    | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 183  | 183  | < 0.005 | 0.01    | 0.01    | 185  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.43 | 5.43 | < 0.005 | < 0.005 | 0.01    | 5.51 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.90 | 0.90 | < 0.005 | < 0.005 | < 0.005 | 0.91 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.8. Grading (2028) - Mitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |         |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.86 | 1.56 | 13.8 | 17.3 | 0.03    | 0.57    | —    | 0.57    | 0.52    | —       | 0.52    | — | 2,961 | 2,961 | 0.12    | 0.02    | —    | 2,971 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 1.84 | 1.84    | —       | 0.89    | 0.89    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.05 | 0.05 | 0.40 | 0.51 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —       | 0.02    | — | 86.9  | 86.9  | < 0.005 | < 0.005 | —    | 87.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.05 | 0.05    | —       | 0.03    | 0.03    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.07 | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 14.4  | 14.4  | < 0.005 | < 0.005 | —    | 14.4  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.01 | 0.01    | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.06    | 0.06    | 0.05    | 0.70    | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 183  | 183  | < 0.005 | 0.01    | 0.01    | 185  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.43 | 5.43 | < 0.005 | < 0.005 | 0.01    | 5.51 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.90 | 0.90 | < 0.005 | < 0.005 | < 0.005 | 0.91 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2028) - Unmitigated

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

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

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02    | 0.30 | —    | 0.30 | 0.28 | —    | 0.28 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02    | 0.30 | —    | 0.30 | 0.28 | —    | 0.28 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.81 | 0.68 | 6.13 | 8.89 | 0.02    | 0.21 | —    | 0.21 | 0.19 | —    | 0.19 | — | 1,647 | 1,647 | 0.07 | 0.01    | —    | 1,652 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.15 | 0.12 | 1.12 | 1.62 | < 0.005 | 0.04 | —    | 0.04 | 0.03 | —    | 0.03 | — | 273   | 273   | 0.01 | < 0.005 | —    | 274   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.21 | 0.21 | 0.18 | 3.28 | 0.00    | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 701   | 701   | 0.01 | 0.03    | 2.01 | 710   |
| Vendor              | 0.07 | 0.02 | 0.81 | 0.45 | 0.01    | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 786   | 786   | 0.05 | 0.12    | 1.71 | 825   |

|                     |      |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |      |      |
|---------------------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|------|------|
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.20 | 0.20    | 0.18 | 2.46 | 0.00    | 0.00    | 0.69 | 0.69 | 0.00    | 0.16 | 0.16 | — | 643  | 643  | 0.01    | 0.03    | 0.05 | 650  |
| Vendor              | 0.07 | 0.02    | 0.85 | 0.45 | 0.01    | 0.01    | 0.23 | 0.24 | 0.01    | 0.06 | 0.07 | — | 787  | 787  | 0.05    | 0.12    | 0.04 | 824  |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.14 | 0.13    | 0.14 | 1.80 | 0.00    | 0.00    | 0.47 | 0.47 | 0.00    | 0.11 | 0.11 | — | 448  | 448  | 0.01    | 0.02    | 0.60 | 454  |
| Vendor              | 0.05 | 0.01    | 0.58 | 0.31 | < 0.005 | 0.01    | 0.16 | 0.17 | < 0.005 | 0.04 | 0.05 | — | 540  | 540  | 0.03    | 0.08    | 0.51 | 566  |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02 | 0.02    | 0.03 | 0.33 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 74.1 | 74.1 | < 0.005 | < 0.005 | 0.10 | 75.1 |
| Vendor              | 0.01 | < 0.005 | 0.11 | 0.06 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.5 | 89.5 | 0.01    | 0.01    | 0.08 | 93.8 |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.10. Building Construction (2028) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02 | 0.30  | —     | 0.30  | 0.28   | —      | 0.28   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02    | 0.30 | —    | 0.30 | 0.28 | —    | 0.28 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.81 | 0.68 | 6.13 | 8.89 | 0.02    | 0.21 | —    | 0.21 | 0.19 | —    | 0.19 | — | 1,647 | 1,647 | 0.07 | 0.01    | —    | 1,652 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.15 | 0.12 | 1.12 | 1.62 | < 0.005 | 0.04 | —    | 0.04 | 0.03 | —    | 0.03 | — | 273   | 273   | 0.01 | < 0.005 | —    | 274   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.21 | 0.21 | 0.18 | 3.28 | 0.00    | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 701   | 701   | 0.01 | 0.03    | 2.01 | 710   |
| Vendor              | 0.07 | 0.02 | 0.81 | 0.45 | 0.01    | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 786   | 786   | 0.05 | 0.12    | 1.71 | 825   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.20 | 0.20 | 0.18 | 2.46 | 0.00    | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 643   | 643   | 0.01 | 0.03    | 0.05 | 650   |



|               |      |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |      |      |
|---------------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|------|------|
| Vendor        | 0.07 | 0.02    | 0.85 | 0.45 | 0.01    | 0.01    | 0.23 | 0.24 | 0.01    | 0.06 | 0.07 | — | 787  | 787  | 0.05    | 0.12    | 0.04 | 824  |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker        | 0.14 | 0.13    | 0.14 | 1.80 | 0.00    | 0.00    | 0.47 | 0.47 | 0.00    | 0.11 | 0.11 | — | 448  | 448  | 0.01    | 0.02    | 0.60 | 454  |
| Vendor        | 0.05 | 0.01    | 0.58 | 0.31 | < 0.005 | 0.01    | 0.16 | 0.17 | < 0.005 | 0.04 | 0.05 | — | 540  | 540  | 0.03    | 0.08    | 0.51 | 566  |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual        | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker        | 0.02 | 0.02    | 0.03 | 0.33 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 74.1 | 74.1 | < 0.005 | < 0.005 | 0.10 | 75.1 |
| Vendor        | 0.01 | < 0.005 | 0.11 | 0.06 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.5 | 89.5 | 0.01    | 0.01    | 0.08 | 93.8 |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.11. Building 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 1.15 | 0.97 | 8.58 | 12.9 | 0.02 | 0.28  | —     | 0.28  | 0.25   | —      | 0.25   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Off-Road Equipm     | 0.10    | 0.09    | 0.77    | 1.16 | < 0.005 | 0.02    | —       | 0.02    | 0.02    | —       | 0.02    | — | 216  | 216  | 0.01    | < 0.005 | —    | 217  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.02    | 0.02    | 0.14    | 0.21 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 35.7 | 35.7 | < 0.005 | < 0.005 | —    | 35.8 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.19    | 0.16    | 0.18    | 2.31 | 0.00    | 0.00    | 0.69    | 0.69    | 0.00    | 0.16    | 0.16    | — | 631  | 631  | 0.01    | 0.03    | 0.05 | 639  |
| Vendor              | 0.07    | 0.02    | 0.81    | 0.43 | 0.01    | 0.01    | 0.23    | 0.24    | 0.01    | 0.06    | 0.07    | — | 766  | 766  | 0.05    | 0.11    | 0.04 | 802  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02    | 0.01    | 0.02    | 0.22 | 0.00    | 0.00    | 0.06    | 0.06    | 0.00    | 0.01    | 0.01    | — | 57.6 | 57.6 | < 0.005 | < 0.005 | 0.07 | 58.4 |
| Vendor              | 0.01    | < 0.005 | 0.07    | 0.04 | < 0.005 | < 0.005 | 0.02    | 0.02    | < 0.005 | 0.01    | 0.01    | — | 69.0 | 69.0 | < 0.005 | 0.01    | 0.06 | 72.2 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 9.54 | 9.54 | < 0.005 | < 0.005 | 0.01 | 9.66 |
| Vendor              | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.01 | 12.0 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

## 3.12. Building Construction (2029) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 1.15 | 0.97 | 8.58 | 12.9 | 0.02    | 0.28    | —     | 0.28    | 0.25    | —      | 0.25    | —    | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.10 | 0.09 | 0.77 | 1.16 | < 0.005 | 0.02    | —     | 0.02    | 0.02    | —      | 0.02    | —    | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.02 | 0.14 | 0.21 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 35.7  | 35.7  | < 0.005 | < 0.005 | —    | 35.8  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.19    | 0.16    | 0.18    | 2.31 | 0.00    | 0.00    | 0.69    | 0.69    | 0.00    | 0.16    | 0.16    | — | 631  | 631  | 0.01    | 0.03    | 0.05 | 639  |
| Vendor              | 0.07    | 0.02    | 0.81    | 0.43 | 0.01    | 0.01    | 0.23    | 0.24    | 0.01    | 0.06    | 0.07    | — | 766  | 766  | 0.05    | 0.11    | 0.04 | 802  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02    | 0.01    | 0.02    | 0.22 | 0.00    | 0.00    | 0.06    | 0.06    | 0.00    | 0.01    | 0.01    | — | 57.6 | 57.6 | < 0.005 | < 0.005 | 0.07 | 58.4 |
| Vendor              | 0.01    | < 0.005 | 0.07    | 0.04 | < 0.005 | < 0.005 | 0.02    | 0.02    | < 0.005 | 0.01    | 0.01    | — | 69.0 | 69.0 | < 0.005 | 0.01    | 0.06 | 72.2 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 9.54 | 9.54 | < 0.005 | < 0.005 | 0.01 | 9.66 |
| Vendor              | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.01 | 12.0 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.13. Paving+ Landscaping (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 Equipm ent | 0.80 | 0.67 | 6.46 | 9.92 | 0.01 | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01    | 0.24 | —    | 0.24 | 0.22 | —    | 0.22 | — | 1,511 | 1,511 | 0.06    | 0.01    | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.17 | 0.14 | 1.36 | 2.09 | < 0.005 | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 319   | 319   | 0.01    | < 0.005 | —    | 320   |
| Paving              | 0.05 | 0.05 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.03 | 0.03 | 0.25 | 0.38 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 52.8  | 52.8  | < 0.005 | < 0.005 | —    | 52.9  |
| Paving              | 0.01 | 0.01 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.06 | 0.06 | 0.05 | 0.87 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 195   | 195   | < 0.005 | 0.01    | 0.51 | 198   |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.05    | 0.05    | 0.05    | 0.66 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 179  | 179  | < 0.005 | 0.01    | 0.01 | 182  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.15 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01    | 0.01    | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 0.05 | 38.9 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 0.01 | 6.43 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.14. Paving+ Landscaping (2029) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipm ent | 0.80 | 0.67 | 6.46 | 9.92 | 0.01 | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01    | 0.24 | —    | 0.24 | 0.22 | —    | 0.22 | — | 1,511 | 1,511 | 0.06    | 0.01    | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.17 | 0.14 | 1.36 | 2.09 | < 0.005 | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 319   | 319   | 0.01    | < 0.005 | —    | 320   |
| Paving              | 0.05 | 0.05 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.03 | 0.03 | 0.25 | 0.38 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 52.8  | 52.8  | < 0.005 | < 0.005 | —    | 52.9  |
| Paving              | 0.01 | 0.01 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.06 | 0.06 | 0.05 | 0.87 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 195   | 195   | < 0.005 | 0.01    | 0.51 | 198   |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.05    | 0.05    | 0.05    | 0.66 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 179  | 179  | < 0.005 | 0.01    | 0.01 | 182  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.15 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01    | 0.01    | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 0.05 | 38.9 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 0.01 | 6.43 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.15. Architectural Coating (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) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Off-Road Equipment  | 0.12 | 0.10 | 0.79 | 1.11 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 134   | 134  | 0.01 | < 0.005 | — | 134  |



|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Architectural Coating  | 29.5    | 29.5    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.06 | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 10.6 | 10.6 | < 0.005 | < 0.005 | —    | 10.6 |
| Architectural Coatings | 2.34    | 2.34    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.76 | 1.76 | < 0.005 | < 0.005 | —    | 1.76 |
| Architectural Coatings | 0.43    | 0.43    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | 0.04    | 0.03    | 0.04 | 0.46 | 0.00    | 0.00    | 0.14 | 0.14    | 0.00    | 0.03 | 0.03    | — | 126  | 126  | < 0.005 | 0.01    | 0.01 | 128  |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

|               |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 0.01    | 10.3 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | < 0.005 | 1.71 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Architectural Coating (2029) - Mitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.12 | 0.10 | 0.79 | 1.11 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 29.5 | 29.5 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |

|                        |         |         |         |      |         |         |      |         |         |         |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|---------|------|---------|---------|------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Off-Road Equipment     | 0.01    | 0.01    | 0.06    | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 10.6 | 10.6 | < 0.005 | < 0.005 | —    | 10.6 |
| Architectural Coatings | 2.34    | 2.34    | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01    | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.76 | 1.76 | < 0.005 | < 0.005 | —    | 1.76 |
| Architectural Coatings | 0.43    | 0.43    | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | 0.04    | 0.03    | 0.04    | 0.46 | 0.00    | 0.00    | 0.14 | 0.14    | 0.00    | 0.03    | 0.03    | — | 126  | 126  | < 0.005 | 0.01    | 0.01 | 128  |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01 | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 0.01 | 10.3 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |

|         |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | < 0.005 | 1.71 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.17. Utilities Trenching and Installation (2027) - Unmitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.20    | 0.16    | 1.22 | 1.41 | < 0.005 | 0.04    | —     | 0.04    | 0.04    | —      | 0.04    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11 | 0.12 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 18.2  | 18.2 | < 0.005 | < 0.005 | —    | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 3.01  | 3.01 | < 0.005 | < 0.005 | —    | 3.02 |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 31.0 | 31.0 | < 0.005 | < 0.005 | < 0.005 | 31.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.76 | 2.76 | < 0.005 | < 0.005 | < 0.005 | 2.79 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.46 | 0.46 | < 0.005 | < 0.005 | < 0.005 | 0.46 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.18. Utilities Trenching and Installation (2027) - Mitigated

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

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

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.20    | 0.16    | 1.22    | 1.41 | < 0.005 | 0.04    | —       | 0.04    | 0.04    | —       | 0.04    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11    | 0.12 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 18.2 | 18.2 | < 0.005 | < 0.005 | —       | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 3.01 | 3.01 | < 0.005 | < 0.005 | —       | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13 | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 31.0 | 31.0 | < 0.005 | < 0.005 | < 0.005 | 31.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.76 | 2.76 | < 0.005 | < 0.005 | < 0.005 | 2.79 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.46 | 0.46 | < 0.005 | < 0.005 | < 0.005 | 0.46 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |

|                         |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Medical Office Building | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403 | 3,403 | 0.16 | 0.17 | 3.91 | 3,461 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total                   | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403 | 3,403 | 0.16 | 0.17 | 3.91 | 3,461 |

#### 4.1.2. Mitigated

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

| Land Use                | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|-------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —    | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02  | 3.50  | 3.52  | 0.02   | 0.89   | 0.91   | —    | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |



|             |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total       | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403 | 3,403 | 0.16 | 0.17 | 3.91 | 3,461 |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 695   | 695   | 0.04    | 0.01    | — | 697   |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 68.4  | 68.4  | < 0.005 | < 0.005 | — | 68.6  |

|       |   |   |   |   |   |   |   |   |   |   |   |   |     |     |      |      |   |     |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|------|------|---|-----|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 763 | 763 | 0.05 | 0.01 | — | 766 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|------|------|---|-----|

#### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R | CO2e  |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|---|-------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,204 | 4,204 | 0.26    | 0.03    | — | 4,220 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,617 | 4,617 | 0.29    | 0.03    | — | 4,634 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 696   | 696   | 0.04    | 0.01    | — | 698   |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 68.4  | 68.4  | < 0.005 | < 0.005 | — | 68.6  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 764   | 764   | 0.05    | 0.01    | — | 767   |

#### 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)     | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | —     | 0.00  | 0.00   | —      | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | —     | 0.00  | 0.00   | —      | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Annual                  | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 240   | 240   | 0.02 | < 0.005 | — | 241   |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | —     | 0.00  | 0.00   | —      | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 240   | 240   | 0.02 | < 0.005 | — | 241   |

## 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

|                         |      |      |      |      |         |      |   |      |      |   |      |   |       |       |      |         |   |       |
|-------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|-------|-------|------|---------|---|-------|
| Daily, Summer (Max)     | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Annual                  | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |

### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                                   |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|-----------------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Consum<br>Products                | 3.56 | 3.56 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.23 | 0.23 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landsca<br>pe<br>Equipm<br>ent    | 1.28 | 1.18 | 0.06 | 7.18 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 29.5 | 29.5 | < 0.005 | < 0.005 | — | 29.6 |
| Total                             | 5.07 | 4.97 | 0.06 | 7.18 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 29.5 | 29.5 | < 0.005 | < 0.005 | — | 29.6 |
| Daily,<br>Winter<br>(Max)         | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consum<br>er<br>Product<br>s      | 3.56 | 3.56 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.23 | 0.23 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                             | 3.79 | 3.79 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                            | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consum<br>er<br>Product<br>s      | 0.65 | 0.65 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.04 | 0.04 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landsca<br>pe<br>Equipm<br>ent    | 0.16 | 0.15 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |
| Total                             | 0.85 | 0.84 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |

## 4.3.2. Mitigated

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

| Source                 | TOG  | ROG  | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------|------|------|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max)    | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 3.29 | 3.29 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                  | 3.53 | 3.53 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max)    | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 3.29 | 3.29 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                  | 3.53 | 3.53 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                 | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 0.60 | 0.60 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architectural Coatings | 0.04 | 0.04 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|       |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0.64 | 0.64 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

#### 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |

## 4.4.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 159  | 0.00  | 159  | 15.9 | 0.00 | — | 556   |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 159  | 0.00  | 159  | 15.9 | 0.00 | — | 556   |

## 4.5.2. Mitigated

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

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

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Daily, Summer (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 159  | 0.00 | 159  | 15.9 | 0.00 | — | 556   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 159  | 0.00 | 159  | 15.9 | 0.00 | — | 556   |

## 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)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |

#### 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 4.22 | 4.22 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 4.22 | 4.22 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

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

### 4.7.2. Mitigated

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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 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               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.8.2. Mitigated

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

| Equipm<br>ent             | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.9. 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<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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.10. 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<br>on            | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

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

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

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

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

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

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



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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —                         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily,<br>Winter<br>(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            | 9/1/2027   | 9/30/2027  | 5.00          | 22.0                | —                    |
| Site Preparation                     | Site Preparation      | 10/1/2027  | 11/1/2027  | 5.00          | 22.0                | —                    |
| Grading                              | Grading               | 12/16/2027 | 1/15/2028  | 5.00          | 22.0                | —                    |
| Building Construction                | Building Construction | 1/16/2028  | 2/15/2029  | 5.00          | 284                 | —                    |
| Paving+ Landscaping                  | Paving                | 3/29/2029  | 7/15/2029  | 5.00          | 77.0                | Landscaping + paving |
| Architectural Coating                | Architectural Coating | 2/16/2029  | 3/28/2029  | 5.00          | 29.0                | —                    |
| Utilities Trenching and Installation | Trenching             | 11/2/2027  | 12/15/2027 | 5.00          | 32.0                | —                    |

## 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     | 1.00           | 8.00          | 33.0       | 0.73        |
| Demolition            | Off-Highway Trucks         | Diesel    | Average     | 1.00           | 8.00          | 376        | 0.38        |
| Demolition            | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Grading               | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |
| Grading               | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 8.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ Landscaping                  | Pavers                     | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers                    | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Demolition            | Concrete/Industrial Saws   | Diesel    | Average     | 1.00           | 8.00          | 33.0       | 0.73        |
| Demolition            | Off-Highway Trucks         | Diesel    | Average     | 1.00           | 8.00          | 376        | 0.38        |
| Demolition            | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Grading               | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |
| Grading               | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 8.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 3.00           | 8.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |

|                                      |                       |        |         |      |      |      |      |
|--------------------------------------|-----------------------|--------|---------|------|------|------|------|
| Building Construction                | Tractors/Loaders/Back | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders               | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ Landscaping                  | Pavers                | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment      | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers               | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors       | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers             | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation      | —            | —                     | —              | —             |
| Site Preparation      | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Grading               | —            | —                     | —              | —             |
| Grading               | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |
| Grading               | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Grading               | Hauling      | 0.00                  | 20.0           | HHDT          |
| Grading               | Onsite truck | —                     | —              | HHDT          |
| Building Construction | —            | —                     | —              | —             |
| Building Construction | Worker       | 52.8                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 27.0                  | 10.2           | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving+ Landscaping   | —            | —                     | —              | —             |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 10.6 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Demolition                           | —            | —    | —    | —             |
| Demolition                           | Worker       | 2.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition                           | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Demolition                           | Hauling      | 2.00 | 20.0 | HHDT          |
| Demolition                           | Onsite truck | —    | —    | HHDT          |

### 5.3.2. Mitigated

| Phase Name       | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | —            | —                     | —              | —             |
| Site Preparation | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation | Onsite truck | —                     | —              | HHDT          |
| Grading          | —            | —                     | —              | —             |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Grading                              | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading                              | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Grading                              | Hauling      | 0.00 | 20.0 | HHDT          |
| Grading                              | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 52.8 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 27.0 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ Landscaping                  | —            | —    | —    | —             |
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 10.6 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Demolition                           | —            | —    | —    | —             |
| Demolition                           | Worker       | 2.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition                           | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Demolition                           | Hauling      | 2.00 | 20.0 | HHDT          |



|            |              |   |   |      |
|------------|--------------|---|---|------|
| Demolition | 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%             |
| Sweep paved roads once per month                | 9%             | 9%              |

## 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 | 0.00                                     | 0.00                                     | 247,500                                      | 82,500                                       | 19,406                      |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (Ton of Debris) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------------|---------------------|
| Demolition          | 0.00                   | 0.00                   | 0.00                 | 5,169                               | —                   |
| Site Preparation    | —                      | —                      | 33.0                 | 0.00                                | —                   |
| Grading             | —                      | —                      | 22.0                 | 0.00                                | —                   |
| Paving+ Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                                | 7.42                |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|----------------------------|---------------------|----------------|-----------------|
| Water Exposed Area         | 3                   | 74%            | 74%             |

|                       |   |     |     |
|-----------------------|---|-----|-----|
| Water Demolished Area | 2 | 36% | 36% |
|-----------------------|---|-----|-----|

## 5.7. Construction Paving

| Land Use                | Area Paved (acres) | % Asphalt |
|-------------------------|--------------------|-----------|
| Medical Office Building | 0.00               | 0%        |
| Parking Lot             | 7.42               | 100%      |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2027 | 0.00         | 532 | 0.03 | < 0.005 |
| 2028 | 0.00         | 532 | 0.03 | < 0.005 |
| 2029 | 0.00         | 532 | 0.03 | < 0.005 |

## 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   |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|------------|
| Medical Office Building | 3,683         | 1,414          | 234          | 1,046,108  | 35,291      | 13,550       | 2,245      | 10,024,528 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00       |

### 5.9.2. Mitigated

| Land Use Type           | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMt/Weekday | VMt/Saturday | VMt/Sunday | VMt/Year   |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|------------|
| Medical Office Building | 3,683         | 1,414          | 234          | 1,046,108  | 35,291      | 13,550       | 2,245      | 10,024,528 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00       |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 247,500                                      | 82,500                                       | 19,406                      |

### 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 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) |
|-------------------------|----------------------|-----|--------|--------|-----------------------|
| Medical Office Building | 2,879,561            | 532 | 0.0330 | 0.0040 | 4,527,603             |

|             |         |     |        |        |      |
|-------------|---------|-----|--------|--------|------|
| Parking Lot | 283,327 | 532 | 0.0330 | 0.0040 | 0.00 |
|-------------|---------|-----|--------|--------|------|

### 5.11.2. Mitigated

#### 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) |
|-------------------------|----------------------|-----|--------|--------|-----------------------|
| Medical Office Building | 2,879,561            | 532 | 0.0330 | 0.0040 | 4,527,603             |
| Parking Lot             | 283,327              | 532 | 0.0330 | 0.0040 | 0.00                  |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 20,704,289              | 6,600,300                |
| Parking Lot             | 0.00                    | 0.00                     |

### 5.12.2. Mitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 20,704,289              | 6,600,300                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 1,782            | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.13.2. Mitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 1,782            | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.14.2. Mitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

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

## 5.18.1.2. Mitigated

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

## 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

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

## 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | 100                             |
| AQ-PM                           | 57.4                            |
| AQ-DPM                          | 82.8                            |
| Drinking Water                  | 96.3                            |
| Lead Risk Housing               | 29.2                            |
| Pesticides                      | 74.7                            |
| Toxic Releases                  | 44.2                            |
| Traffic                         | 81.0                            |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 81.9                            |
| Groundwater                     | 47.6                            |
| Haz Waste Facilities/Generators | 96.8                            |
| Impaired Water Bodies           | 12.5                            |
| Solid Waste                     | 0.00                            |
| Sensitive Population            | —                               |
| Asthma                          | 34.7                            |

|                                 |      |
|---------------------------------|------|
| Cardio-vascular                 | 45.1 |
| Low Birth Weights               | 75.6 |
| Socioeconomic Factor Indicators | —    |
| Education                       | 39.2 |
| Housing                         | 89.1 |
| Linguistic                      | 17.3 |
| Poverty                         | 55.9 |
| Unemployment                    | 14.4 |

## 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          | 37.76466059                     |
| Employed               | 27.51186963                     |
| Median HI              | 26.53663544                     |
| Education              | —                               |
| Bachelor's or higher   | 60.5800077                      |
| High school enrollment | 100                             |
| Preschool enrollment   | 11.52316181                     |
| Transportation         | —                               |
| Auto Access            | 62.47914795                     |
| Active commuting       | 28.56409598                     |
| Social                 | —                               |
| 2-parent households    | 37.02040293                     |
| Voting                 | 39.83061722                     |
| Neighborhood           | —                               |
| Alcohol availability   | 30.07827538                     |

|                                              |             |
|----------------------------------------------|-------------|
| Park access                                  | 50.53252919 |
| Retail density                               | 65.94379571 |
| Supermarket access                           | 72.28281791 |
| Tree canopy                                  | 43.62889773 |
| Housing                                      | —           |
| Homeownership                                | 9.303220839 |
| Housing habitability                         | 37.12305916 |
| Low-inc homeowner severe housing cost burden | 73.38637239 |
| Low-inc renter severe housing cost burden    | 66.31592455 |
| Uncrowded housing                            | 31.19466188 |
| Health Outcomes                              | —           |
| Insured adults                               | 48.58206082 |
| Arthritis                                    | 92.2        |
| Asthma ER Admissions                         | 65.8        |
| High Blood Pressure                          | 95.2        |
| Cancer (excluding skin)                      | 82.6        |
| Asthma                                       | 30.0        |
| Coronary Heart Disease                       | 94.7        |
| Chronic Obstructive Pulmonary Disease        | 71.2        |
| Diagnosed Diabetes                           | 92.6        |
| Life Expectancy at Birth                     | 79.7        |
| Cognitively Disabled                         | 52.2        |
| Physically Disabled                          | 60.6        |
| Heart Attack ER Admissions                   | 32.7        |
| Mental Health Not Good                       | 41.5        |
| Chronic Kidney Disease                       | 95.6        |
| Obesity                                      | 56.2        |
| Pedestrian Injuries                          | 53.3        |

|                                       |      |
|---------------------------------------|------|
| Physical Health Not Good              | 67.2 |
| Stroke                                | 91.3 |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 13.6 |
| Current Smoker                        | 36.3 |
| No Leisure Time for Physical Activity | 67.1 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 7.3  |
| Elderly                               | 81.9 |
| English Speaking                      | 84.0 |
| Foreign-born                          | 37.0 |
| Outdoor Workers                       | 85.1 |
| Climate Change Adaptive Capacity      | —    |
| Impervious Surface Cover              | 69.4 |
| Traffic Density                       | 74.6 |
| Traffic Access                        | 23.0 |
| Other Indices                         | —    |
| Hardship                              | 54.2 |
| Other Decision Support                | —    |
| 2016 Voting                           | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                    | Result for Project Census Tract |
|---------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                        | 72.0                            |
| Healthy Places Index Score for Project Location (b)                       | 32.0                            |
| 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

| Screen                               | Justification                                  |           |                                    |                  |           |
|--------------------------------------|------------------------------------------------|-----------|------------------------------------|------------------|-----------|
| Land Use                             | Phase Description<br>Sq. Ft.                   |           | Purpose                            | Building Sq. Ft. | Footprint |
|                                      | 1                                              | ASC/MOB 2 | Ambulatory Surgery/ Medical Office | 165,000          | 36,000    |
| Construction: Construction Phases    | Sent by Client.                                |           |                                    |                  |           |
| Construction: Off-Road Equipment     | default                                        |           |                                    |                  |           |
| Construction: Architectural Coatings | SCAQMD RULE 1113                               |           |                                    |                  |           |
| Operations: Architectural Coatings   | SCAQMD RULE 1113                               |           |                                    |                  |           |
| Operations: Vehicle Data             | VMT Traffic study                              |           |                                    |                  |           |
| Construction: Trips and VMT          | demolition- concrete structure and parking lot |           |                                    |                  |           |

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## **APPENDIX D2.2**

### **Phase 2 CalEEMod With Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center- Phase 2 v2 Detailed Report

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## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                        |
|-----------------------------|--------------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center- Phase 2 v2 |
| Construction Start Date     | 11/1/2035                                                    |
| Operational Year            | 2039                                                         |
| Lead Agency                 | —                                                            |
| Land Use Scale              | Project/site                                                 |
| Analysis Level for Defaults | County                                                       |
| Windspeed (m/s)             | 2.50                                                         |
| Precipitation (days)        | 24.0                                                         |
| Location                    | 34.07231170887854, -117.22884775664832                       |
| County                      | San Bernardino-South Coast                                   |
| City                        | Redlands                                                     |
| Air District                | South Coast AQMD                                             |
| Air Basin                   | South Coast                                                  |
| TAZ                         | 5394                                                         |
| EDFZ                        | 10                                                           |
| Electric Utility            | Southern California Edison                                   |
| Gas Utility                 | Southern California Gas                                      |
| App Version                 | 2022.1.1.29                                                  |

## 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 |
|------------------|------|------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Hospital         | 213  | Bed  | 2.80        | 400,000               | 602,000                | —                              | —          | —           |

|                                |       |          |      |         |      |   |   |                  |
|--------------------------------|-------|----------|------|---------|------|---|---|------------------|
| Enclosed Parking with Elevator | 1,288 | Space    | 11.6 | 515,200 | 0.00 | — | — | —                |
| General Office Building        | 35.0  | 1000sqft | 0.34 | 35,000  | 0.00 | — | — | Utility Building |

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

| Sector         | #     | Measure Title                                                                  |
|----------------|-------|--------------------------------------------------------------------------------|
| Construction   | C-9   | Use Dust Suppressants                                                          |
| Construction   | C-13  | Use Low-VOC Paints for Construction                                            |
| Transportation | T-11* | Provide Employer-Sponsored Vanpool                                             |
| Transportation | T-14* | Provide Electric Vehicle Charging Infrastructure                               |
| Area Sources   | AS-1  | Use Low-VOC Cleaning Supplies                                                  |
| Area Sources   | LL-1  | Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment |
| Area Sources   | AS-2  | Use Low-VOC Paints                                                             |

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

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 49.5 | 49.4 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| Mit.                | 49.5 | 49.4 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |



|                     |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 49.5 | 49.4 | 19.2 | 24.8 | 0.06 | 0.74 | 7.89 | 8.63 | 0.68 | 3.99 | 4.67 | — | 9,769 | 9,769 | 0.30 | 0.60 | 0.20 | 9,954 |
| Mit.                | 49.5 | 49.4 | 19.2 | 24.8 | 0.06 | 0.74 | 7.89 | 8.63 | 0.68 | 3.99 | 4.67 | — | 9,769 | 9,769 | 0.30 | 0.60 | 0.20 | 9,954 |
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Average Daily (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 6.65 | 6.55 | 7.91 | 17.6 | 0.04 | 0.19 | 4.21 | 4.35 | 0.18 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21 | 0.40 | 1.97 | 7,040 |
| Mit.                | 6.65 | 6.55 | 7.91 | 17.6 | 0.04 | 0.19 | 4.21 | 4.35 | 0.18 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21 | 0.40 | 1.97 | 7,040 |
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max)        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 1.21 | 1.20 | 1.44 | 3.22 | 0.01 | 0.03 | 0.77 | 0.79 | 0.03 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03 | 0.07 | 0.33 | 1,166 |
| Mit.                | 1.21 | 1.20 | 1.44 | 3.22 | 0.01 | 0.03 | 0.77 | 0.79 | 0.03 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03 | 0.07 | 0.33 | 1,166 |
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2036                 | 2.76 | 2.33 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| 2037                 | 2.07 | 1.73 | 10.9 | 27.5 | 0.06 | 0.19  | 5.98  | 6.17  | 0.18   | 1.46   | 1.64   | —    | 9,966  | 9,966  | 0.29 | 0.56 | 6.39 | 10,146 |
| 2038                 | 1.99 | 1.68 | 10.6 | 26.9 | 0.06 | 0.19  | 5.98  | 6.17  | 0.17   | 1.46   | 1.63   | —    | 9,831  | 9,831  | 0.29 | 0.56 | 5.39 | 10,010 |
| 2039                 | 49.5 | 49.4 | 5.32 | 10.3 | 0.01 | 0.11  | 0.93  | 0.93  | 0.10   | 0.22   | 0.22   | —    | 1,684  | 1,684  | 0.06 | 0.01 | 0.60 | 1,690  |

|                      |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |         |       |
|----------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|---------|-------|
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035                 | 2.97 | 2.50 | 19.2 | 23.4 | 0.05    | 0.74 | 7.89 | 8.63 | 0.68 | 3.99 | 4.67 | — | 5,488 | 5,488 | 0.22    | 0.04    | 0.01    | 5,507 |
| 2036                 | 2.83 | 2.39 | 18.0 | 24.8 | 0.06    | 0.67 | 7.89 | 8.57 | 0.62 | 3.99 | 4.61 | — | 9,769 | 9,769 | 0.30    | 0.60    | 0.20    | 9,954 |
| 2037                 | 2.03 | 1.68 | 11.1 | 24.1 | 0.06    | 0.19 | 5.98 | 6.17 | 0.18 | 1.46 | 1.64 | — | 9,629 | 9,629 | 0.29    | 0.56    | 0.17    | 9,803 |
| 2038                 | 1.97 | 1.66 | 10.9 | 23.8 | 0.06    | 0.19 | 5.98 | 6.17 | 0.17 | 1.46 | 1.63 | — | 9,497 | 9,497 | 0.29    | 0.56    | 0.14    | 9,671 |
| 2039                 | 49.5 | 49.4 | 10.7 | 23.3 | 0.06    | 0.18 | 5.98 | 6.16 | 0.17 | 1.46 | 1.63 | — | 9,386 | 9,386 | 0.25    | 0.52    | 0.12    | 9,548 |
| Average Daily        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035                 | 0.35 | 0.30 | 2.29 | 2.80 | 0.01    | 0.09 | 0.94 | 1.03 | 0.08 | 0.48 | 0.56 | — | 655   | 655   | 0.03    | 0.01    | 0.01    | 658   |
| 2036                 | 1.26 | 1.06 | 7.13 | 13.4 | 0.03    | 0.19 | 2.72 | 2.91 | 0.18 | 0.80 | 0.98 | — | 4,533 | 4,533 | 0.15    | 0.20    | 1.05    | 4,596 |
| 2037                 | 1.45 | 1.20 | 7.91 | 17.6 | 0.04    | 0.14 | 4.21 | 4.35 | 0.13 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21    | 0.40    | 1.97    | 7,040 |
| 2038                 | 1.41 | 1.19 | 7.78 | 17.3 | 0.04    | 0.13 | 4.21 | 4.34 | 0.12 | 1.03 | 1.15 | — | 6,820 | 6,820 | 0.21    | 0.40    | 1.66    | 6,945 |
| 2039                 | 6.65 | 6.55 | 3.48 | 7.18 | 0.01    | 0.07 | 0.84 | 0.90 | 0.06 | 0.20 | 0.26 | — | 1,837 | 1,837 | 0.06    | 0.06    | 0.27    | 1,857 |
| Annual               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035                 | 0.06 | 0.05 | 0.42 | 0.51 | < 0.005 | 0.02 | 0.17 | 0.19 | 0.01 | 0.09 | 0.10 | — | 109   | 109   | < 0.005 | < 0.005 | < 0.005 | 109   |
| 2036                 | 0.23 | 0.19 | 1.30 | 2.44 | 0.01    | 0.03 | 0.50 | 0.53 | 0.03 | 0.15 | 0.18 | — | 750   | 750   | 0.03    | 0.03    | 0.17    | 761   |
| 2037                 | 0.26 | 0.22 | 1.44 | 3.22 | 0.01    | 0.03 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03    | 0.07    | 0.33    | 1,166 |
| 2038                 | 0.26 | 0.22 | 1.42 | 3.16 | 0.01    | 0.02 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,129 | 1,129 | 0.03    | 0.07    | 0.28    | 1,150 |
| 2039                 | 1.21 | 1.20 | 0.64 | 1.31 | < 0.005 | 0.01 | 0.15 | 0.17 | 0.01 | 0.04 | 0.05 | — | 304   | 304   | 0.01    | 0.01    | 0.04    | 307   |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|----------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily - Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2036                 | 2.76 | 2.33 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| 2037                 | 2.07 | 1.73 | 10.9 | 27.5 | 0.06 | 0.19  | 5.98  | 6.17  | 0.18   | 1.46   | 1.64   | —    | 9,966  | 9,966  | 0.29 | 0.56 | 6.39 | 10,146 |

|                      |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |         |        |
|----------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|---------|--------|
| 2038                 | 1.99 | 1.68 | 10.6 | 26.9 | 0.06    | 0.19 | 5.98 | 6.17 | 0.17 | 1.46 | 1.63 | — | 9,831 | 9,831 | 0.29    | 0.56    | 5.39    | 10,010 |
| 2039                 | 49.5 | 49.4 | 5.32 | 10.3 | 0.01    | 0.11 | 0.93 | 0.93 | 0.10 | 0.22 | 0.22 | — | 1,684 | 1,684 | 0.06    | 0.01    | 0.60    | 1,690  |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —      |
| 2035                 | 2.97 | 2.50 | 19.2 | 23.4 | 0.05    | 0.74 | 7.89 | 8.63 | 0.68 | 3.99 | 4.67 | — | 5,488 | 5,488 | 0.22    | 0.04    | 0.01    | 5,507  |
| 2036                 | 2.83 | 2.39 | 18.0 | 24.8 | 0.06    | 0.67 | 7.89 | 8.57 | 0.62 | 3.99 | 4.61 | — | 9,769 | 9,769 | 0.30    | 0.60    | 0.20    | 9,954  |
| 2037                 | 2.03 | 1.68 | 11.1 | 24.1 | 0.06    | 0.19 | 5.98 | 6.17 | 0.18 | 1.46 | 1.64 | — | 9,629 | 9,629 | 0.29    | 0.56    | 0.17    | 9,803  |
| 2038                 | 1.97 | 1.66 | 10.9 | 23.8 | 0.06    | 0.19 | 5.98 | 6.17 | 0.17 | 1.46 | 1.63 | — | 9,497 | 9,497 | 0.29    | 0.56    | 0.14    | 9,671  |
| 2039                 | 49.5 | 49.4 | 10.7 | 23.3 | 0.06    | 0.18 | 5.98 | 6.16 | 0.17 | 1.46 | 1.63 | — | 9,386 | 9,386 | 0.25    | 0.52    | 0.12    | 9,548  |
| Average Daily        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —      |
| 2035                 | 0.35 | 0.30 | 2.29 | 2.80 | 0.01    | 0.09 | 0.94 | 1.03 | 0.08 | 0.48 | 0.56 | — | 655   | 655   | 0.03    | 0.01    | 0.01    | 658    |
| 2036                 | 1.26 | 1.06 | 7.13 | 13.4 | 0.03    | 0.19 | 2.72 | 2.91 | 0.18 | 0.80 | 0.98 | — | 4,533 | 4,533 | 0.15    | 0.20    | 1.05    | 4,596  |
| 2037                 | 1.45 | 1.20 | 7.91 | 17.6 | 0.04    | 0.14 | 4.21 | 4.35 | 0.13 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21    | 0.40    | 1.97    | 7,040  |
| 2038                 | 1.41 | 1.19 | 7.78 | 17.3 | 0.04    | 0.13 | 4.21 | 4.34 | 0.12 | 1.03 | 1.15 | — | 6,820 | 6,820 | 0.21    | 0.40    | 1.66    | 6,945  |
| 2039                 | 6.65 | 6.55 | 3.48 | 7.18 | 0.01    | 0.07 | 0.84 | 0.90 | 0.06 | 0.20 | 0.26 | — | 1,837 | 1,837 | 0.06    | 0.06    | 0.27    | 1,857  |
| Annual               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —      |
| 2035                 | 0.06 | 0.05 | 0.42 | 0.51 | < 0.005 | 0.02 | 0.17 | 0.19 | 0.01 | 0.09 | 0.10 | — | 109   | 109   | < 0.005 | < 0.005 | < 0.005 | 109    |
| 2036                 | 0.23 | 0.19 | 1.30 | 2.44 | 0.01    | 0.03 | 0.50 | 0.53 | 0.03 | 0.15 | 0.18 | — | 750   | 750   | 0.03    | 0.03    | 0.17    | 761    |
| 2037                 | 0.26 | 0.22 | 1.44 | 3.22 | 0.01    | 0.03 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03    | 0.07    | 0.33    | 1,166  |
| 2038                 | 0.26 | 0.22 | 1.42 | 3.16 | 0.01    | 0.02 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,129 | 1,129 | 0.03    | 0.07    | 0.28    | 1,150  |
| 2039                 | 1.21 | 1.20 | 0.64 | 1.31 | < 0.005 | 0.01 | 0.15 | 0.17 | 0.01 | 0.04 | 0.05 | — | 304   | 304   | 0.01    | 0.01    | 0.04    | 307    |

## 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.              | 29.0 | 27.3 | 9.32 | 144  | 0.31 | 0.21 | 32.3 | 32.5   | 0.19 | 8.19 | 8.38 | 401  | 31,816 | 32,217 | 41.3   | 1.44   | 21.2 | 33,699 |
| Mit.                | 20.9 | 19.8 | 8.97 | 102  | 0.31 | 0.14 | 32.3 | 32.4   | 0.13 | 8.19 | 8.33 | 401  | 31,685 | 32,086 | 41.3   | 1.43   | 21.2 | 33,568 |
| % Reduced           | 28%  | 27%  | 4%   | 29%  | 1%   | 34%  | —    | < 0.5% | 30%  | —    | 1%   | —    | < 0.5% | < 0.5% | < 0.5% | < 0.5% | —    | < 0.5% |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —    | —    | —      | —    | —    | —    | —    | —      | —      | —      | —      | —    | —      |
| Unmit.              | 21.2 | 20.1 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4   | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4   | 1.47   | 1.24 | 31,540 |
| Mit.                | 20.5 | 19.4 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4   | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4   | 1.47   | 1.24 | 31,540 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —    | —    | —      | —    | —    | —    | —    | —      | —      | —      | —      | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —    | —    | —      | —    | —    | —    | —    | —      | —      | —      | —      | —    | —      |
| Unmit.              | 23.9 | 22.6 | 8.09 | 99.9 | 0.23 | 0.16 | 25.7 | 25.8   | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1   | 1.22   | 7.84 | 26,168 |
| Mit.                | 18.1 | 17.3 | 7.85 | 71.6 | 0.23 | 0.11 | 25.7 | 25.8   | 0.11 | 6.51 | 6.62 | 401  | 24,277 | 24,678 | 41.1   | 1.22   | 7.84 | 26,078 |
| % Reduced           | 24%  | 24%  | 3%   | 28%  | 1%   | 31%  | —    | < 0.5% | 26%  | —    | 1%   | —    | < 0.5% | < 0.5% | < 0.5% | —      | —    | < 0.5% |
| Annual (Max)        | —    | —    | —    | —    | —    | —    | —    | —      | —    | —    | —    | —    | —      | —      | —      | —      | —    | —      |
| Unmit.              | 4.36 | 4.13 | 1.48 | 18.2 | 0.04 | 0.03 | 4.68 | 4.71   | 0.03 | 1.19 | 1.22 | 66.4 | 4,034  | 4,101  | 6.81   | 0.20   | 1.30 | 4,332  |
| Mit.                | 3.31 | 3.16 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70   | 0.02 | 1.19 | 1.21 | 66.4 | 4,019  | 4,086  | 6.81   | 0.20   | 1.30 | 4,318  |
| % Reduced           | 24%  | 24%  | 3%   | 28%  | 1%   | 31%  | —    | < 0.5% | 26%  | —    | 1%   | —    | < 0.5% | < 0.5% | < 0.5% | < 0.5% | —    | < 0.5% |

## 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              | 11.9 | 10.9 | 8.97 | 102 | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |

|                     |      |      |      |      |         |      |      |      |      |      |      |      |        |        |         |         |      |        |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|------|--------|--------|---------|---------|------|--------|
| Area                | 17.0 | 16.4 | 0.35 | 41.3 | < 0.005 | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | —    | 170    | 170    | 0.01    | < 0.005 | —    | 171    |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 29.0 | 27.3 | 9.32 | 144  | 0.31    | 0.21 | 32.3 | 32.5 | 0.19 | 8.19 | 8.38 | 401  | 31,816 | 32,217 | 41.3    | 1.44    | 21.2 | 33,699 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 11.5 | 10.5 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | —    | 29,338 | 29,338 | 1.09    | 1.35    | 0.53 | 29,769 |
| Area                | 9.65 | 9.65 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 21.2 | 20.1 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4    | 1.47    | 1.24 | 31,540 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.19 | 8.34 | 7.85 | 71.6 | 0.23    | 0.11 | 25.7 | 25.8 | 0.11 | 6.51 | 6.62 | —    | 23,924 | 23,924 | 0.88    | 1.10    | 7.13 | 24,281 |
| Area                | 14.7 | 14.3 | 0.24 | 28.3 | < 0.005 | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | —    | 116    | 116    | < 0.005 | < 0.005 | —    | 117    |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 23.9 | 22.6 | 8.09 | 99.9 | 0.23    | 0.16 | 25.7 | 25.8 | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1    | 1.22    | 7.84 | 26,168 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 1.68 | 1.52 | 1.43 | 13.1 | 0.04    | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | —    | 3,961  | 3,961  | 0.15    | 0.18    | 1.18 | 4,020  |
| Area                | 2.68 | 2.61 | 0.04 | 5.17 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | —    | 19.3   | 19.3   | < 0.005 | < 0.005 | —    | 19.3   |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 8.04 | 54.0   | 62.1   | 0.83    | 0.02    | —    | 88.7   |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 58.4 | 0.00   | 58.4   | 5.84    | 0.00    | —    | 204    |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.12 | 0.12   |
| Total               | 4.36 | 4.13 | 1.48 | 18.2 | 0.04    | 0.03 | 4.68 | 4.71 | 0.03 | 1.19 | 1.22 | 66.4 | 4,034  | 4,101  | 6.81    | 0.20    | 1.30 | 4,332  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06    | 1.31    | 20.5 | 31,758 |
| Area                | 8.96 | 8.96 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | 38.8   | 38.8   | < 0.005 | < 0.005 | —    | 39.0   |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 20.9 | 19.8 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | 401  | 31,685 | 32,086 | 41.3    | 1.43    | 21.2 | 33,568 |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 29,338 | 29,338 | 1.09    | 1.35    | 0.53 | 29,769 |
| Area                | 8.96 | 8.96 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 20.5 | 19.4 | 9.63 | 85.7 | 0.29 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | 401  | 29,664 | 30,066 | 41.4    | 1.47    | 1.24 | 31,540 |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.19 | 8.34 | 7.85 | 71.6 | 0.23 | 0.11  | 25.7  | 25.8  | 0.11   | 6.51   | 6.62   | —    | 23,924 | 23,924 | 0.88    | 1.10    | 7.13 | 24,281 |
| Area                | 8.96 | 8.96 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | 26.6   | 26.6   | < 0.005 | < 0.005 | —    | 26.7   |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.71 | 0.71   |

|         |      |      |      |      |      |      |      |      |      |      |      |      |        |        |         |         |      |        |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|---------|---------|------|--------|
| Total   | 18.1 | 17.3 | 7.85 | 71.6 | 0.23 | 0.11 | 25.7 | 25.8 | 0.11 | 6.51 | 6.62 | 401  | 24,277 | 24,678 | 41.1    | 1.22    | 7.84 | 26,078 |
| Annual  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile  | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | —    | 3,961  | 3,961  | 0.15    | 0.18    | 1.18 | 4,020  |
| Area    | 1.63 | 1.63 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Energy  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 4.40   | 4.40   | < 0.005 | < 0.005 | —    | 4.42   |
| Water   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 8.04 | 54.0   | 62.1   | 0.83    | 0.02    | —    | 88.7   |
| Waste   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 58.4 | 0.00   | 58.4   | 5.84    | 0.00    | —    | 204    |
| Refrig. | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.12 | 0.12   |
| Total   | 3.31 | 3.16 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | 66.4 | 4,019  | 4,086  | 6.81    | 0.20    | 1.30 | 4,318  |

### 3. Construction Emissions Details

#### 3.1. Site Preparation (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)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.93 | 2.46 | 19.2 | 22.9 | 0.05 | 0.74  | —     | 0.74  | 0.68   | —      | 0.68   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                             |      |         |         |      |         |      |      |      |      |      |      |   |      |      |         |         |      |      |
|-----------------------------|------|---------|---------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| Average Daily               | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.35 | 0.29    | 2.29    | 2.73 | 0.01    | 0.09 | —    | 0.09 | 0.08 | —    | 0.08 | — | 632  | 632  | 0.03    | 0.01    | —    | 634  |
| Dust From Material Movement | —    | —       | —       | —    | —       | —    | 0.92 | 0.92 | —    | 0.47 | 0.47 | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.06 | 0.05    | 0.42    | 0.50 | < 0.005 | 0.02 | —    | 0.02 | 0.01 | —    | 0.01 | — | 105  | 105  | < 0.005 | < 0.005 | —    | 105  |
| Dust From Material Movement | —    | —       | —       | —    | —       | —    | 0.17 | 0.17 | —    | 0.09 | 0.09 | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                     | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)         | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)         | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker                      | 0.04 | 0.04    | 0.03    | 0.52 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 192  | 192  | < 0.005 | < 0.005 | 0.01 | 193  |
| Vendor                      | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily               | —    | —       | —       | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker                      | 0.01 | < 0.005 | < 0.005 | 0.07 | 0.00    | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23.3 | 23.3 | < 0.005 | < 0.005 | 0.01 | 23.4 |



|         |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.86 | 3.86 | < 0.005 | < 0.005 | < 0.005 | 3.87 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.2. Site Preparation (2035) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.93 | 2.46 | 19.2 | 22.9 | 0.05 | 0.74  | —     | 0.74  | 0.68   | —      | 0.68   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 0.35 | 0.29 | 2.29 | 2.73 | 0.01 | 0.09  | —     | 0.09  | 0.08   | —      | 0.08   | —    | 632   | 632   | 0.03 | 0.01 | —    | 634   |

|                             |         |         |         |      |         |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.92    | 0.92    | —    | 0.47    | 0.47    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.06    | 0.05    | 0.42    | 0.50 | < 0.005 | 0.02 | —       | 0.02    | 0.01 | —       | 0.01    | — | 105  | 105  | < 0.005 | < 0.005 | —       | 105  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.17    | 0.17    | —    | 0.09    | 0.09    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.52 | 0.00    | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 192  | 192  | < 0.005 | < 0.005 | 0.01    | 193  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | < 0.005 | < 0.005 | 0.07 | 0.00    | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 23.3 | 23.3 | < 0.005 | < 0.005 | 0.01    | 23.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.86 | 3.86 | < 0.005 | < 0.005 | < 0.005 | 3.87 |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Vendor  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 3.3. Site Preparation (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)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.79 | 2.35 | 18.0 | 21.7 | 0.05    | 0.67  | —     | 0.67  | 0.62   | —      | 0.62   | —    | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.04 | 0.04 | 0.28 | 0.34 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 82.9  | 82.9  | < 0.005 | < 0.005 | —    | 83.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.12  | 0.12  | —      | 0.06   | 0.06   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.01    | 0.01    | 0.05    | 0.06    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 13.7 | 13.7 | < 0.005 | < 0.005 | —       | 13.8 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.02    | 0.02    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.50    | 0.00    | 0.00    | 0.23    | 0.23    | 0.00    | 0.05    | 0.05    | — | 191  | 191  | < 0.005 | < 0.005 | 0.01    | 191  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 3.02 | 3.02 | < 0.005 | < 0.005 | < 0.005 | 3.03 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.50 | 0.50 | < 0.005 | < 0.005 | < 0.005 | 0.50 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2036) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.79 | 2.35 | 18.0 | 21.7 | 0.05    | 0.67    | —     | 0.67    | 0.62    | —      | 0.62    | —    | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 7.67  | 7.67    | —       | 3.94   | 3.94    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.04 | 0.04 | 0.28 | 0.34 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 82.9  | 82.9  | < 0.005 | < 0.005 | —    | 83.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.12  | 0.12    | —       | 0.06   | 0.06    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.05 | 0.06 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 13.7  | 13.7  | < 0.005 | < 0.005 | —    | 13.8  |

|                             |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —    | —    | 0.02    | 0.02    | —    | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.50    | 0.00 | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 191  | 191  | < 0.005 | < 0.005 | 0.01    | 191  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.02 | 3.02 | < 0.005 | < 0.005 | < 0.005 | 3.03 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.50 | 0.50 | < 0.005 | < 0.005 | < 0.005 | 0.50 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Pad Grading (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 Equipment          | 2.71 | 2.28 | 15.9 | 24.1 | 0.06    | 0.58 | —    | 0.58 | 0.53 | —    | 0.53 | — | 6,596 | 6,596 | 0.27 | 0.05    | —    | 6,619 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 3.59 | 3.59 | —    | 1.42 | 1.42 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.53 | 0.44 | 3.08 | 4.69 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,283 | 1,283 | 0.05 | 0.01    | —    | 1,287 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.70 | 0.70 | —    | 0.28 | 0.28 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.56 | 0.86 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 212   | 212   | 0.01 | < 0.005 | —    | 213   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.13 | 0.13 | —    | 0.05 | 0.05 | — | —     | —     | —    | —       | —    | —     |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.05    | 0.05    | 0.03    | 0.77 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 237  | 237  | < 0.005 | < 0.005 | 0.27    | 238  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.12 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01    | 0.01    | — | 42.9 | 42.9 | < 0.005 | < 0.005 | 0.02    | 43.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.11 | 7.11 | < 0.005 | < 0.005 | < 0.005 | 7.13 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.6. Pad Grading (2036) - Mitigated

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

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



|                             |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|-----------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road Equipment          | 2.71 | 2.28 | 15.9 | 24.1 | 0.06    | 0.58 | —    | 0.58 | 0.53 | —    | 0.53 | — | 6,596 | 6,596 | 0.27 | 0.05    | —    | 6,619 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 3.59 | 3.59 | —    | 1.42 | 1.42 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.53 | 0.44 | 3.08 | 4.69 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,283 | 1,283 | 0.05 | 0.01    | —    | 1,287 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.70 | 0.70 | —    | 0.28 | 0.28 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.56 | 0.86 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 212   | 212   | 0.01 | < 0.005 | —    | 213   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.13 | 0.13 | —    | 0.05 | 0.05 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.05    | 0.05    | 0.03    | 0.77 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 237  | 237  | < 0.005 | < 0.005 | 0.27    | 238  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.12 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01    | 0.01    | — | 42.9 | 42.9 | < 0.005 | < 0.005 | 0.02    | 43.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.11 | 7.11 | < 0.005 | < 0.005 | < 0.005 | 7.13 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building 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 Equipment  | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 7.12 | 12.6 | 0.02    | 0.17 | —    | 0.17 | 0.16 | —    | 0.16 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.31 | 0.26 | 2.23 | 3.95 | 0.01    | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 750   | 750   | 0.03 | 0.01    | —    | 753   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.06 | 0.05 | 0.41 | 0.72 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 124   | 124   | 0.01 | < 0.005 | —    | 125   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.87 | 0.86 | 0.58 | 13.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,216 | 4,216 | 0.03 | 0.02    | 4.79 | 4,228 |
| Vendor              | 0.26 | 0.09 | 3.45 | 1.89 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,497 | 3,497 | 0.17 | 0.55    | 2.75 | 3,667 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.59 | 10.2 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 3,872 | 3,872 | 0.04 | 0.02    | 0.12 | 3,880 |

|               |      |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Vendor        | 0.25 | 0.08    | 3.59 | 1.92 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,500 | 3,500 | 0.17    | 0.55    | 0.07 | 3,669 |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker        | 0.26 | 0.26    | 0.19 | 3.39 | 0.00    | 0.00    | 1.43 | 1.43 | 0.00    | 0.34 | 0.34 | — | 1,229 | 1,229 | 0.01    | 0.01    | 0.65 | 1,232 |
| Vendor        | 0.08 | 0.03    | 1.12 | 0.60 | 0.01    | 0.01    | 0.41 | 0.42 | 0.01    | 0.11 | 0.12 | — | 1,095 | 1,095 | 0.05    | 0.17    | 0.37 | 1,148 |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual        | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker        | 0.05 | 0.05    | 0.03 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26 | 0.00    | 0.06 | 0.06 | — | 203   | 203   | < 0.005 | < 0.005 | 0.11 | 204   |
| Vendor        | 0.01 | < 0.005 | 0.20 | 0.11 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 181   | 181   | 0.01    | 0.03    | 0.06 | 190   |
| Hauling       | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.8. Building Construction (2036) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.31 | 0.26 | 2.23 | 3.95 | 0.01    | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 750   | 750   | 0.03 | 0.01    | —    | 753   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.06 | 0.05 | 0.41 | 0.72 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 124   | 124   | 0.01 | < 0.005 | —    | 125   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.87 | 0.86 | 0.58 | 13.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,216 | 4,216 | 0.03 | 0.02    | 4.79 | 4,228 |
| Vendor              | 0.26 | 0.09 | 3.45 | 1.89 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,497 | 3,497 | 0.17 | 0.55    | 2.75 | 3,667 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.59 | 10.2 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 3,872 | 3,872 | 0.04 | 0.02    | 0.12 | 3,880 |
| Vendor              | 0.25 | 0.08 | 3.59 | 1.92 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,500 | 3,500 | 0.17 | 0.55    | 0.07 | 3,669 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.26 | 0.26 | 0.19 | 3.39 | 0.00    | 0.00 | 1.43 | 1.43 | 0.00 | 0.34 | 0.34 | — | 1,229 | 1,229 | 0.01 | 0.01    | 0.65 | 1,232 |
| Vendor              | 0.08 | 0.03 | 1.12 | 0.60 | 0.01    | 0.01 | 0.41 | 0.42 | 0.01 | 0.11 | 0.12 | — | 1,095 | 1,095 | 0.05 | 0.17    | 0.37 | 1,148 |

|         |      |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |      |      |
|---------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|------|------|
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual  | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker  | 0.05 | 0.05    | 0.03 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26 | 0.00    | 0.06 | 0.06 | — | 203  | 203  | < 0.005 | < 0.005 | 0.11 | 204  |
| Vendor  | 0.01 | < 0.005 | 0.20 | 0.11 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 181  | 181  | 0.01    | 0.03    | 0.06 | 190  |
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.9. Building Construction (2037) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02 | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02 | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.70 | 0.58 | 4.99 | 8.93 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,712 | 1,712 | 0.07 | 0.01 | —    | 1,718 |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.91 | 1.63 | < 0.005 | 0.02    | —    | 0.02 | 0.02    | —    | 0.02 | — | 283   | 283   | 0.01    | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.58 | 13.1 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,178 | 4,178 | 0.03    | 0.02    | 4.11 | 4,190 |
| Vendor              | 0.26 | 0.09 | 3.33 | 1.85 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,392 | 3,392 | 0.16    | 0.51    | 2.28 | 3,551 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.59 | 9.73 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,837 | 3,837 | 0.03    | 0.02    | 0.11 | 3,845 |
| Vendor              | 0.25 | 0.08 | 3.51 | 1.88 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,395 | 3,395 | 0.16    | 0.51    | 0.06 | 3,552 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.57 | 0.56 | 0.42 | 7.36 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,779 | 2,779 | 0.02    | 0.02    | 1.27 | 2,786 |
| Vendor              | 0.18 | 0.06 | 2.50 | 1.33 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,424 | 2,424 | 0.12    | 0.37    | 0.70 | 2,537 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.10 | 0.10 | 0.08 | 1.34 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 460   | 460   | < 0.005 | < 0.005 | 0.21 | 461   |
| Vendor              | 0.03 | 0.01 | 0.46 | 0.24 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 401   | 401   | 0.02    | 0.06    | 0.12 | 420   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

## 3.10. Building Construction (2037) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02    | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02    | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.70 | 0.58 | 4.99 | 8.93 | 0.02    | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.91 | 1.63 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 283   | 283   | 0.01 | < 0.005 | —    | 284   |



|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.58 | 13.1 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,178 | 4,178 | 0.03    | 0.02    | 4.11 | 4,190 |
| Vendor              | 0.26 | 0.09 | 3.33 | 1.85 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,392 | 3,392 | 0.16    | 0.51    | 2.28 | 3,551 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.59 | 9.73 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,837 | 3,837 | 0.03    | 0.02    | 0.11 | 3,845 |
| Vendor              | 0.25 | 0.08 | 3.51 | 1.88 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,395 | 3,395 | 0.16    | 0.51    | 0.06 | 3,552 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.57 | 0.56 | 0.42 | 7.36 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,779 | 2,779 | 0.02    | 0.02    | 1.27 | 2,786 |
| Vendor              | 0.18 | 0.06 | 2.50 | 1.33 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,424 | 2,424 | 0.12    | 0.37    | 0.70 | 2,537 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.10 | 0.10 | 0.08 | 1.34 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 460   | 460   | < 0.005 | < 0.005 | 0.21 | 461   |
| Vendor              | 0.03 | 0.01 | 0.46 | 0.24 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 401   | 401   | 0.02    | 0.06    | 0.12 | 420   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.11. Building Construction (2038) - Unmitigated

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

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

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.69 | 0.58 | 4.92 | 8.90 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.90 | 1.62 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 283   | 283   | 0.01 | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|                           |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Worker                    | 0.80 | 0.78 | 0.43 | 12.6 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,139 | 4,139 | 0.03    | 0.02    | 3.53 | 4,150 |
| Vendor                    | 0.22 | 0.09 | 3.24 | 1.78 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,295 | 3,295 | 0.16    | 0.51    | 1.87 | 3,454 |
| Hauling                   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily,<br>Winter<br>(Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker                    | 0.78 | 0.76 | 0.58 | 9.51 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,802 | 3,802 | 0.03    | 0.02    | 0.09 | 3,809 |
| Vendor                    | 0.21 | 0.08 | 3.42 | 1.81 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,299 | 3,299 | 0.16    | 0.51    | 0.05 | 3,456 |
| Hauling                   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average<br>Daily          | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker                    | 0.56 | 0.55 | 0.42 | 7.11 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,753 | 2,753 | 0.02    | 0.02    | 1.09 | 2,760 |
| Vendor                    | 0.16 | 0.06 | 2.44 | 1.28 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,355 | 2,355 | 0.12    | 0.37    | 0.58 | 2,468 |
| Hauling                   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                    | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker                    | 0.10 | 0.10 | 0.08 | 1.30 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 456   | 456   | < 0.005 | < 0.005 | 0.18 | 457   |
| Vendor                    | 0.03 | 0.01 | 0.45 | 0.23 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 390   | 390   | 0.02    | 0.06    | 0.10 | 409   |
| Hauling                   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.12. Building Construction (2038) - Mitigated

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

| Location                  | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite                    | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily,<br>Summer<br>(Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road<br>Equipment     | 0.97 | 0.81 | 6.89 | 12.5 | 0.02 | 0.15  | —     | 0.15  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,405 |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipm ent | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipm ent | 0.69 | 0.58 | 4.92 | 8.90 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipm ent | 0.13 | 0.11 | 0.90 | 1.62 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 283   | 283   | 0.01 | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.43 | 12.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,139 | 4,139 | 0.03 | 0.02    | 3.53 | 4,150 |
| Vendor              | 0.22 | 0.09 | 3.24 | 1.78 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,295 | 3,295 | 0.16 | 0.51    | 1.87 | 3,454 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|               |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Worker        | 0.78 | 0.76 | 0.58 | 9.51 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,802 | 3,802 | 0.03    | 0.02    | 0.09 | 3,809 |
| Vendor        | 0.21 | 0.08 | 3.42 | 1.81 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,299 | 3,299 | 0.16    | 0.51    | 0.05 | 3,456 |
| Hauling       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker        | 0.56 | 0.55 | 0.42 | 7.11 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,753 | 2,753 | 0.02    | 0.02    | 1.09 | 2,760 |
| Vendor        | 0.16 | 0.06 | 2.44 | 1.28 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,355 | 2,355 | 0.12    | 0.37    | 0.58 | 2,468 |
| Hauling       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual        | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker        | 0.10 | 0.10 | 0.08 | 1.30 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 456   | 456   | < 0.005 | < 0.005 | 0.18 | 457   |
| Vendor        | 0.03 | 0.01 | 0.45 | 0.23 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 390   | 390   | 0.02    | 0.06    | 0.10 | 409   |
| Hauling       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.13. Building Construction (2039) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.96 | 0.80 | 6.78 | 12.4 | 0.02 | 0.15  | —     | 0.15  | 0.13   | —      | 0.13   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road            | 0.11    | 0.09    | 0.74 | 1.36 | < 0.005 | 0.02    | —    | 0.02    | 0.01    | —    | 0.01    | — | 263   | 263   | 0.01    | < 0.005 | —    | 264   |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02    | 0.02    | 0.14 | 0.25 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 43.5  | 43.5  | < 0.005 | < 0.005 | —    | 43.6  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.74    | 0.58    | 0.58 | 9.16 | 0.00    | 0.00    | 4.65 | 4.65    | 0.00    | 1.09 | 1.09    | — | 3,775 | 3,775 | 0.03    | 0.02    | 0.08 | 3,783 |
| Vendor              | 0.21    | 0.08    | 3.34 | 1.77 | 0.04    | 0.04    | 1.33 | 1.37    | 0.04    | 0.37 | 0.40    | — | 3,214 | 3,214 | 0.12    | 0.48    | 0.04 | 3,360 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.08    | 0.06    | 0.06 | 1.05 | 0.00    | 0.00    | 0.50 | 0.50    | 0.00    | 0.12 | 0.12    | — | 419   | 419   | < 0.005 | < 0.005 | 0.14 | 420   |
| Vendor              | 0.02    | 0.01    | 0.36 | 0.19 | < 0.005 | < 0.005 | 0.14 | 0.15    | < 0.005 | 0.04 | 0.04    | — | 352   | 352   | 0.01    | 0.05    | 0.07 | 368   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.01    | 0.01    | 0.01 | 0.19 | 0.00    | 0.00    | 0.09 | 0.09    | 0.00    | 0.02 | 0.02    | — | 69.4  | 69.4  | < 0.005 | < 0.005 | 0.02 | 69.6  |
| Vendor              | < 0.005 | < 0.005 | 0.07 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.03    | < 0.005 | 0.01 | 0.01    | — | 58.3  | 58.3  | < 0.005 | 0.01    | 0.01 | 60.9  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.14. Building Construction (2039) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.96 | 0.80 | 6.78 | 12.4 | 0.02    | 0.15    | —     | 0.15    | 0.13    | —      | 0.13    | —    | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.36 | < 0.005 | 0.02    | —     | 0.02    | 0.01    | —      | 0.01    | —    | 263   | 263   | 0.01    | < 0.005 | —    | 264   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.02 | 0.14 | 0.25 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 43.5  | 43.5  | < 0.005 | < 0.005 | —    | 43.6  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.74    | 0.58    | 0.58 | 9.16 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,775 | 3,775 | 0.03    | 0.02    | 0.08 | 3,783 |
| Vendor              | 0.21    | 0.08    | 3.34 | 1.77 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,214 | 3,214 | 0.12    | 0.48    | 0.04 | 3,360 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.08    | 0.06    | 0.06 | 1.05 | 0.00    | 0.00    | 0.50 | 0.50 | 0.00    | 0.12 | 0.12 | — | 419   | 419   | < 0.005 | < 0.005 | 0.14 | 420   |
| Vendor              | 0.02    | 0.01    | 0.36 | 0.19 | < 0.005 | < 0.005 | 0.14 | 0.15 | < 0.005 | 0.04 | 0.04 | — | 352   | 352   | 0.01    | 0.05    | 0.07 | 368   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.01    | 0.01    | 0.01 | 0.19 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 69.4  | 69.4  | < 0.005 | < 0.005 | 0.02 | 69.6  |
| Vendor              | < 0.005 | < 0.005 | 0.07 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 58.3  | 58.3  | < 0.005 | 0.01    | 0.01 | 60.9  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.15. Paving+ Landscaping (2039) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |



|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,511 | 1,511 | 0.06    | 0.01    | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.24 | 0.20 | 2.20 | 4.03 | 0.01    | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | — | 625   | 625   | 0.03    | 0.01    | —    | 627   |
| Paving              | 0.08 | 0.08 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.04 | 0.04 | 0.40 | 0.74 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 103   | 103   | < 0.005 | < 0.005 | —    | 104   |
| Paving              | 0.02 | 0.02 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03 | 0.03 | 0.02 | 0.52 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 173   | 173   | < 0.005 | < 0.005 | 0.13 | 174   |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.02    | 0.02    | 0.39 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 159  | 159  | < 0.005 | < 0.005 | < 0.005 | 160  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02    | 0.02    | — | 66.8 | 66.8 | < 0.005 | < 0.005 | 0.02    | 66.9 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.1 | 11.1 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Paving+ Landscaping (2039) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,511 | 1,511 | 0.06    | 0.01    | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.24 | 0.20 | 2.20 | 4.03 | 0.01    | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | — | 625   | 625   | 0.03    | 0.01    | —    | 627   |
| Paving              | 0.08 | 0.08 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.04 | 0.04 | 0.40 | 0.74 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 103   | 103   | < 0.005 | < 0.005 | —    | 104   |
| Paving              | 0.02 | 0.02 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03 | 0.03 | 0.02 | 0.52 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 173   | 173   | < 0.005 | < 0.005 | 0.13 | 174   |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.02    | 0.02    | 0.39 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 159  | 159  | < 0.005 | < 0.005 | < 0.005 | 160  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02    | 0.02    | — | 66.8 | 66.8 | < 0.005 | < 0.005 | 0.02    | 66.9 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.1 | 11.1 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.17. Architectural Coating (2039) - Unmitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|---|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | — | 134  |
| Architectural Coatings | 49.2 | 49.2 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11    | 0.09    | 0.74 | 1.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2    | 49.2    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.09 | 0.13 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 16.5 | 16.5 | < 0.005 | < 0.005 | —    | 16.5 |
| Architectural Coatings | 6.07    | 6.07    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 2.73 | 2.73 | < 0.005 | < 0.005 | —    | 2.73 |
| Architectural Coatings | 1.11    | 1.11    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Offsite             | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.15    | 0.12    | 0.08    | 2.45 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22    | 0.22    | — | 822  | 822  | 0.01    | < 0.005 | 0.60 | 824  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.15    | 0.12    | 0.12    | 1.83 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22    | 0.22    | — | 755  | 755  | 0.01    | < 0.005 | 0.02 | 757  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02    | 0.01    | 0.01    | 0.24 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03    | 0.03    | — | 94.4 | 94.4 | < 0.005 | < 0.005 | 0.03 | 94.6 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.6 | 15.6 | < 0.005 | < 0.005 | 0.01 | 15.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.18. Architectural Coating (2039) - Mitigated

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

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

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Off-Road               | 0.11    | 0.09    | 0.74 | 1.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2    | 49.2    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11    | 0.09    | 0.74 | 1.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2    | 49.2    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.09 | 0.13 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 16.5 | 16.5 | < 0.005 | < 0.005 | —    | 16.5 |
| Architectural Coatings | 6.07    | 6.07    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 2.73 | 2.73 | < 0.005 | < 0.005 | —    | 2.73 |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Architect Coatings  | 1.11    | 1.11    | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.15    | 0.12    | 0.08    | 2.45 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22    | 0.22    | — | 822  | 822  | 0.01    | < 0.005 | 0.60 | 824  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.15    | 0.12    | 0.12    | 1.83 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22    | 0.22    | — | 755  | 755  | 0.01    | < 0.005 | 0.02 | 757  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02    | 0.01    | 0.01    | 0.24 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03    | 0.03    | — | 94.4 | 94.4 | < 0.005 | < 0.005 | 0.03 | 94.6 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.6 | 15.6 | < 0.005 | < 0.005 | 0.01 | 15.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.19. Utilities Trenching and Installation (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 Equipment  | 0.13    | 0.11    | 1.12 | 1.35 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 207  | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.13    | 0.11    | 1.12 | 1.35 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 207  | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.03    | 0.02    | 0.22 | 0.26 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 40.4 | 40.4 | < 0.005 | < 0.005 | —    | 40.5 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 6.68 | 6.68 | < 0.005 | < 0.005 | —    | 6.70 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|                           |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker                    | 0.01    | 0.01    | < 0.005 | 0.10    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 29.6 | 29.6 | < 0.005 | < 0.005 | 0.03    | 29.7 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily,<br>Winter<br>(Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | 0.01    | 0.01    | < 0.005 | 0.07    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 27.2 | 27.2 | < 0.005 | < 0.005 | < 0.005 | 27.3 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average<br>Daily          | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.37 | 5.37 | < 0.005 | < 0.005 | < 0.005 | 5.38 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                    | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | < 0.005 | 0.89 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.20. Utilities Trenching and Installation (2036) - Mitigated

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

| Location                  | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|---------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|---|------|
| Onsite                    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Daily,<br>Summer<br>(Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Off-Road<br>Equipment     | 0.13 | 0.11 | 1.12 | 1.35 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 207   | 207  | 0.01 | < 0.005 | — | 208  |

|                     |         |         |         |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipm ent | 0.13    | 0.11    | 1.12    | 1.35 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 207  | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipm ent | 0.03    | 0.02    | 0.22    | 0.26 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 40.4 | 40.4 | < 0.005 | < 0.005 | —    | 40.5 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipm ent | < 0.005 | < 0.005 | 0.04    | 0.05 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 6.68 | 6.68 | < 0.005 | < 0.005 | —    | 6.70 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01    | 0.01    | < 0.005 | 0.10 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01 | 0.01    | — | 29.6 | 29.6 | < 0.005 | < 0.005 | 0.03 | 29.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker        | 0.01    | 0.01    | < 0.005 | 0.07    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 27.2 | 27.2 | < 0.005 | < 0.005 | < 0.005 | 27.3 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.37 | 5.37 | < 0.005 | < 0.005 | < 0.005 | 5.38 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | < 0.005 | 0.89 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)            | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |

|                                |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Daily, Winter (Max)            | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Annual                         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |

#### 4.1.2. Mitigated

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

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

|                                |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| Daily, Summer (Max)            | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Daily, Winter (Max)            | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Annual                         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use                       | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|--------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 16.3  | 16.3 | < 0.005 | < 0.005 | — | 16.4 |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 21.1  | 21.1 | < 0.005 | < 0.005 | — | 21.1 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 1.43  | 1.43 | < 0.005 | < 0.005 | — | 1.44 |

|                                |   |   |   |   |   |   |   |   |   |   |   |   |      |      |         |         |   |      |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|------|------|---------|---------|---|------|
| Total                          | — | — | — | — | — | — | — | — | — | — | — | — | 38.8 | 38.8 | < 0.005 | < 0.005 | — | 39.0 |
| Daily, Winter (Max)            | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | — | 1.85 | 1.85 | < 0.005 | < 0.005 | — | 1.86 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | — | 2.39 | 2.39 | < 0.005 | < 0.005 | — | 2.40 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | — | 0.16 | 0.16 | < 0.005 | < 0.005 | — | 0.16 |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | — | 4.40 | 4.40 | < 0.005 | < 0.005 | — | 4.42 |

#### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated



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

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

## 4.3. Area Emissions by Source

## 4.3.1. Unmitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Consumer Products      | 9.35 | 9.35 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Landscape Equipment    | 7.36 | 6.79 | 0.35 | 41.3 | < 0.005 | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 170   | 170  | 0.01 | < 0.005 | — | 171  |

|                        |      |      |      |      |         |      |   |      |      |   |      |   |      |      |         |         |   |      |
|------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|------|------|---------|---------|---|------|
| Total                  | 17.0 | 16.4 | 0.35 | 41.3 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 170  | 170  | 0.01    | < 0.005 | — | 171  |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 9.35 | 9.35 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Total                  | 9.65 | 9.65 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 1.71 | 1.71 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.06 | 0.06 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.92 | 0.85 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |
| Total                  | 2.68 | 2.61 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |

#### 4.3.2. Mitigated

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

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

|                        |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Product       | 8.65 | 8.65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.30 | 0.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total                  | 8.96 | 8.96 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max)    | —    | —    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products      | 8.65 | 8.65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.30 | 0.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total                  | 8.96 | 8.96 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual                 | —    | —    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products      | 1.58 | 1.58 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.06 | 0.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total                  | 1.63 | 1.63 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 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)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 48.6 | 326   | 375  | 5.00 | 0.12 | — | 536  |
| Daily, Winter (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 48.6 | 326   | 375  | 5.00 | 0.12 | — | 536  |
| Annual                         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.07 | 43.8  | 49.9 | 0.63 | 0.02 | — | 70.0 |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |         |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---------|---|------|
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | 1.97 | 10.2 | 12.2 | 0.20 | < 0.005 | — | 18.7 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 8.04 | 54.0 | 62.1 | 0.83 | 0.02    | — | 88.7 |

## 4.4.2. Mitigated

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

| Land Use                       | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|--------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 48.6 | 326   | 375  | 5.00 | 0.12 | — | 536  |
| Daily, Winter (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 48.6 | 326   | 375  | 5.00 | 0.12 | — | 536  |

|                                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |         |   |      |
|-----------------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---------|---|------|
| Annual                                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —       | — | —    |
| Hospital                                | — | — | — | — | — | — | — | — | — | — | — | 6.07 | 43.8 | 49.9 | 0.63 | 0.02    | — | 70.0 |
| Enclosed<br>Parking<br>with<br>Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | — | 0.00 |
| General<br>Office<br>Building           | — | — | — | — | — | — | — | — | — | — | — | 1.97 | 10.2 | 12.2 | 0.20 | < 0.005 | — | 18.7 |
| Total                                   | — | — | — | — | — | — | — | — | — | — | — | 8.04 | 54.0 | 62.1 | 0.83 | 0.02    | — | 88.7 |

## 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,<br>Summer<br>(Max)               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 335  | 0.00  | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed<br>Parking<br>with<br>Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General<br>Office<br>Building           | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 17.5 | 0.00  | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 353  | 0.00  | 353  | 35.3 | 0.00 | — | 1,234 |
| Daily,<br>Winter<br>(Max)               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 335  | 0.00  | 335  | 33.5 | 0.00 | — | 1,173 |

|                                |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Enclose Parking with Elevator  | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 17.5 | 0.00 | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 353  | 0.00 | 353  | 35.3 | 0.00 | — | 1,234 |
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 55.5 | 0.00 | 55.5 | 5.55 | 0.00 | — | 194   |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 2.90 | 0.00 | 2.90 | 0.29 | 0.00 | — | 10.2  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 58.4 | 0.00 | 58.4 | 5.84 | 0.00 | — | 204   |

#### 4.5.2. Mitigated

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

| Land Use                       | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e  |
|--------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|-------|
| Daily, Summer (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 335  | 0.00  | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 17.5 | 0.00  | 17.5 | 1.75 | 0.00 | — | 61.4  |

|                                |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 353  | 0.00 | 353  | 35.3 | 0.00 | — | 1,234 |
| Daily, Winter (Max)            | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 335  | 0.00 | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 17.5 | 0.00 | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 353  | 0.00 | 353  | 35.3 | 0.00 | — | 1,234 |
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 55.5 | 0.00 | 55.5 | 5.55 | 0.00 | — | 194   |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 2.90 | 0.00 | 2.90 | 0.29 | 0.00 | — | 10.2  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 58.4 | 0.00 | 58.4 | 5.84 | 0.00 | — | 204   |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |



|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Hospital                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.63 | 0.63 |
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.09 | 0.09 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.71 | 0.71 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.63 | 0.63 |
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.09 | 0.09 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.71 | 0.71 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.10 | 0.10 |
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.12 | 0.12 |

#### 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.63 | 0.63 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.09 | 0.09 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.71 | 0.71 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.63 | 0.63 |
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.09 | 0.09 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.71 | 0.71 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.10 | 0.10 |
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.12 | 0.12 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

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

## 4.7.2. Mitigated

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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

#### 4.8.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.9. 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<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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.9.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.10. 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<br>on            | 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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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



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

## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date   | Days Per Week | Work Days per Phase | Phase Description  |
|--------------------------------------|-----------------------|------------|------------|---------------|---------------------|--------------------|
| Site Preparation                     | Site Preparation      | 11/1/2035  | 1/8/2036   | 5.00          | 49.0                | —                  |
| Pad Grading                          | Grading               | 4/17/2036  | 7/24/2036  | 5.00          | 71.0                | —                  |
| Building Construction                | Building Construction | 7/25/2036  | 2/25/2039  | 5.00          | 676                 | —                  |
| Paving+ Landscaping                  | Paving                | 4/30/2039  | 11/28/2039 | 5.00          | 151                 | Landscaping+Paving |
| Architectural Coating                | Architectural Coating | 2/26/2039  | 4/29/2039  | 5.00          | 45.0                | —                  |
| Utilities Trenching and Installation | Trenching             | 1/9/2036   | 4/16/2036  | 5.00          | 71.0                | —                  |

### 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 |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading           | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Pad Grading           | Excavators                 | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Pad Grading           | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading           | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Pad Grading           | Scrapers                   | Diesel    | Average     | 2.00           | 8.00          | 423        | 0.48        |
| Building Construction | Forklifts                  | Diesel    | Average     | 3.00           | 8.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |
| Building Construction | Welders                    | Diesel    | Average     | 1.00           | 8.00          | 46.0       | 0.45        |

|                                      |                       |        |         |      |      |      |      |
|--------------------------------------|-----------------------|--------|---------|------|------|------|------|
| Building Construction                | Tractors/Loaders/Back | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Paving+ Landscaping                  | Pavers                | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment      | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers               | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors       | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers             | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading           | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Pad Grading           | Excavators                 | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Pad Grading           | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading           | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Pad Grading           | Scrapers                   | Diesel    | Average     | 2.00           | 8.00          | 423        | 0.48        |
| Building Construction | Forklifts                  | Diesel    | Average     | 3.00           | 8.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |
| Building Construction | Welders                    | Diesel    | Average     | 1.00           | 8.00          | 46.0       | 0.45        |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 7.00          | 84.0       | 0.37        |
| Paving+ Landscaping   | Pavers                     | Diesel    | Average     | 2.00           | 8.00          | 81.0       | 0.42        |
| Paving+ Landscaping   | Paving Equipment           | Diesel    | Average     | 2.00           | 8.00          | 89.0       | 0.36        |
| Paving+ Landscaping   | Rollers                    | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Architectural Coating | Air Compressors            | Diesel    | Average     | 1.00           | 6.00          | 37.0       | 0.48        |

|                                      |           |        |         |      |      |      |      |
|--------------------------------------|-----------|--------|---------|------|------|------|------|
| Utilities Trenching and Installation | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |
|--------------------------------------|-----------|--------|---------|------|------|------|------|

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name                           | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|--------------------------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation                     | —            | —                     | —              | —             |
| Site Preparation                     | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation                     | Onsite truck | —                     | —              | HHDT          |
| Utilities Trenching and Installation | —            | —                     | —              | —             |
| Utilities Trenching and Installation | Worker       | 2.50                  | 18.5           | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —                     | —              | HHDT          |
| Building Construction                | —            | —                     | —              | —             |
| Building Construction                | Worker       | 356                   | 18.5           | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 156                   | 10.2           | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction                | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating                | —            | —                     | —              | —             |
| Architectural Coating                | Worker       | 71.1                  | 18.5           | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00                  | 20.0           | HHDT          |
| Architectural Coating                | Onsite truck | —                     | —              | HHDT          |
| Paving+ Landscaping                  | —            | —                     | —              | —             |
| Paving+ Landscaping                  | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |

|                     |              |      |      |               |
|---------------------|--------------|------|------|---------------|
| Paving+ Landscaping | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping | Onsite truck | —    | —    | HHDT          |
| Pad Grading         | —            | —    | —    | —             |
| Pad Grading         | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Pad Grading         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Pad Grading         | Hauling      | 0.00 | 20.0 | HHDT          |
| Pad Grading         | Onsite truck | —    | —    | HHDT          |

### 5.3.2. Mitigated

| Phase Name                           | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|--------------------------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation                     | —            | —                     | —              | —             |
| Site Preparation                     | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation                     | Onsite truck | —                     | —              | HHDT          |
| Utilities Trenching and Installation | —            | —                     | —              | —             |
| Utilities Trenching and Installation | Worker       | 2.50                  | 18.5           | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —                     | —              | HHDT          |
| Building Construction                | —            | —                     | —              | —             |
| Building Construction                | Worker       | 356                   | 18.5           | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 156                   | 10.2           | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction                | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating                | —            | —                     | —              | —             |
| Architectural Coating                | Worker       | 71.1                  | 18.5           | LDA,LDT1,LDT2 |

|                       |              |      |      |               |
|-----------------------|--------------|------|------|---------------|
| Architectural Coating | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating | Onsite truck | —    | —    | HHDT          |
| Paving+ Landscaping   | —            | —    | —    | —             |
| Paving+ Landscaping   | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping   | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping   | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping   | Onsite truck | —    | —    | HHDT          |
| Pad Grading           | —            | —    | —    | —             |
| Pad Grading           | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Pad Grading           | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Pad Grading           | Hauling      | 0.00 | 20.0 | HHDT          |
| Pad Grading           | 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 | 0.00                                     | 0.00                                     | 675,223                                      | 220,025                                      | 30,297                      |

## 5.6. Dust Mitigation

## 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation    | —                      | —                      | 73.5                 | 0.00                          | —                   |
| Pad Grading         | —                      | —                      | 213                  | 0.00                          | —                   |
| Paving+ Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 11.6                |

## 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

| Land Use                       | Area Paved (acres) | % Asphalt |
|--------------------------------|--------------------|-----------|
| Hospital                       | 0.00               | 0%        |
| Enclosed Parking with Elevator | 11.6               | 100%      |
| General Office Building        | 0.00               | 0%        |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2035 | 0.00         | 532 | 0.03 | < 0.005 |
| 2036 | 0.00         | 532 | 0.03 | < 0.005 |
| 2037 | 0.00         | 532 | 0.03 | < 0.005 |
| 2038 | 0.00         | 532 | 0.03 | < 0.005 |
| 2039 | 0.00         | 532 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

## 5.9.1. Unmitigated

| Land Use Type                  | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VT/Weekday | VT/Saturday | VT/Sunday | VT/Year    |
|--------------------------------|---------------|----------------|--------------|------------|------------|-------------|-----------|------------|
| Hospital                       | 4,754         | 1,644          | 1,442        | 1,400,410  | 45,558     | 15,757      | 13,818    | 13,419,687 |
| Enclosed Parking with Elevator | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |
| General Office Building        | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |

## 5.9.2. Mitigated

| Land Use Type                  | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VT/Weekday | VT/Saturday | VT/Sunday | VT/Year    |
|--------------------------------|---------------|----------------|--------------|------------|------------|-------------|-----------|------------|
| Hospital                       | 4,754         | 1,644          | 1,442        | 1,400,410  | 45,558     | 15,757      | 13,818    | 13,419,687 |
| Enclosed Parking with Elevator | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |
| General Office Building        | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |

## 5.10. Operational Area Sources

## 5.10.1. Hearths

## 5.10.1.1. Unmitigated

## 5.10.1.2. Mitigated

## 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 675,223                                      | 220,025                                      | 30,297                      |

## 5.10.3. Landscape Equipment



| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

#### 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

#### 5.11.2. Mitigated

##### 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

| Land Use                       | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|--------------------------------|-------------------------|--------------------------|
| Hospital                       | 19,130,306              | 9,667,592                |
| Enclosed Parking with Elevator | 0.00                    | 0.00                     |
| General Office Building        | 6,220,681               | 0.00                     |

## 5.12.2. Mitigated

| Land Use                       | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|--------------------------------|-------------------------|--------------------------|
| Hospital                       | 19,130,306              | 9,667,592                |
| Enclosed Parking with Elevator | 0.00                    | 0.00                     |
| General Office Building        | 6,220,681               | 0.00                     |

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

| Land Use                       | Waste (ton/year) | Cogeneration (kWh/year) |
|--------------------------------|------------------|-------------------------|
| Hospital                       | 622              | —                       |
| Enclosed Parking with Elevator | 0.00             | —                       |
| General Office Building        | 32.6             | —                       |

## 5.13.2. Mitigated

| Land Use                       | Waste (ton/year) | Cogeneration (kWh/year) |
|--------------------------------|------------------|-------------------------|
| Hospital                       | 622              | —                       |
| Enclosed Parking with Elevator | 0.00             | —                       |
| General Office Building        | 32.6             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

| Land Use Type | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital      | Chillers                                | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital      | Household refrigerators and/or freezers | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |

|                         |                                               |        |       |         |      |      |      |
|-------------------------|-----------------------------------------------|--------|-------|---------|------|------|------|
| Hospital                | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | < 0.005 | 1.00 | 0.00 | 1.00 |
| Hospital                | Walk-in refrigerators and freezers            | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| General Office Building | Household refrigerators and/or freezers       | R-134a | 1,430 | 0.02    | 0.60 | 0.00 | 1.00 |
| General Office Building | Other commercial A/C and heat pumps           | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |

#### 5.14.2. Mitigated

| Land Use Type           | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital                | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital                | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital                | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital                | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |
| General Office Building | Household refrigerators and/or freezers       | R-134a      | 1,430 | 0.02          | 0.60                 | 0.00              | 1.00           |
| General Office Building | Other commercial A/C and heat pumps           | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

### 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

## 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

## 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

## 5.18.1. Land Use Change

## 5.18.1.1. Unmitigated

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

## 5.18.1.2. Mitigated

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

## 5.18.1. Biomass Cover Type

## 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

#### 5.18.2. Sequestration

##### 5.18.2.1. Unmitigated

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

##### 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | —                               |
| AQ-PM                           | —                               |
| AQ-DPM                          | —                               |
| Drinking Water                  | —                               |
| Lead Risk Housing               | —                               |
| Pesticides                      | —                               |
| Toxic Releases                  | —                               |
| Traffic                         | —                               |
| Effect Indicators               | —                               |
| CleanUp Sites                   | —                               |
| Groundwater                     | —                               |
| Haz Waste Facilities/Generators | —                               |
| Impaired Water Bodies           | —                               |
| Solid Waste                     | —                               |

|                                 |   |
|---------------------------------|---|
| Sensitive Population            | — |
| Asthma                          | — |
| Cardio-vascular                 | — |
| Low Birth Weights               | — |
| Socioeconomic Factor Indicators | — |
| Education                       | — |
| Housing                         | — |
| Linguistic                      | — |
| Poverty                         | — |
| Unemployment                    | — |

## 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          | —                               |
| Employed               | —                               |
| Median HI              | —                               |
| Education              | —                               |
| Bachelor's or higher   | —                               |
| High school enrollment | —                               |
| Preschool enrollment   | —                               |
| Transportation         | —                               |
| Auto Access            | —                               |
| Active commuting       | —                               |
| Social                 | —                               |
| 2-parent households    | —                               |
| Voting                 | —                               |



|                                              |   |
|----------------------------------------------|---|
| Neighborhood                                 | — |
| Alcohol availability                         | — |
| Park access                                  | — |
| Retail density                               | — |
| Supermarket access                           | — |
| Tree canopy                                  | — |
| Housing                                      | — |
| Homeownership                                | — |
| Housing habitability                         | — |
| Low-inc homeowner severe housing cost burden | — |
| Low-inc renter severe housing cost burden    | — |
| Uncrowded housing                            | — |
| Health Outcomes                              | — |
| Insured adults                               | — |
| Arthritis                                    | — |
| Asthma ER Admissions                         | — |
| High Blood Pressure                          | — |
| Cancer (excluding skin)                      | — |
| Asthma                                       | — |
| Coronary Heart Disease                       | — |
| Chronic Obstructive Pulmonary Disease        | — |
| Diagnosed Diabetes                           | — |
| Life Expectancy at Birth                     | — |
| Cognitively Disabled                         | — |
| Physically Disabled                          | — |
| Heart Attack ER Admissions                   | — |
| Mental Health Not Good                       | — |
| Chronic Kidney Disease                       | — |

|                                       |   |
|---------------------------------------|---|
| Obesity                               | — |
| Pedestrian Injuries                   | — |
| Physical Health Not Good              | — |
| Stroke                                | — |
| Health Risk Behaviors                 | — |
| Binge Drinking                        | — |
| Current Smoker                        | — |
| No Leisure Time for Physical Activity | — |
| Climate Change Exposures              | — |
| Wildfire Risk                         | — |
| SLR Inundation Area                   | — |
| Children                              | — |
| Elderly                               | — |
| English Speaking                      | — |
| Foreign-born                          | — |
| Outdoor Workers                       | — |
| Climate Change Adaptive Capacity      | — |
| Impervious Surface Cover              | — |
| Traffic Density                       | — |
| Traffic Access                        | — |
| Other Indices                         | — |
| Hardship                              | — |
| Other Decision Support                | — |
| 2016 Voting                           | — |

### 7.3. Overall Health & Equity Scores

| Metric                                             | Result for Project Census Tract |
|----------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a) | —                               |

|                                                                                     |     |
|-------------------------------------------------------------------------------------|-----|
| Healthy Places Index Score for Project Location (b)                                 | —   |
| 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

| Screen                               | Justification                                             |
|--------------------------------------|-----------------------------------------------------------|
| Land Use                             | Client provided                                           |
| Construction: Construction Phases    | Client provided.                                          |
| Construction: Off-Road Equipment     | Default                                                   |
| Construction: Architectural Coatings | SCAQMD 1113                                               |
| Operations: Vehicle Data             | TRAFFIC STUDY ANALYSIS                                    |
| Operations: Architectural Coatings   | SCAQMD 1113                                               |
| Operations: Energy Use               | Electricity and Natural gas - on-site Utilities Building. |

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## **APPENDIX D2.3**

### **Phase 3 CalEEMod With Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center- Phase 3 Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                     |
|-----------------------------|-----------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center- Phase 3 |
| Construction Start Date     | 12/1/2043                                                 |
| Operational Year            | 2045                                                      |
| Lead Agency                 | —                                                         |
| Land Use Scale              | Project/site                                              |
| Analysis Level for Defaults | County                                                    |
| Windspeed (m/s)             | 2.50                                                      |
| Precipitation (days)        | 24.0                                                      |
| Location                    | 34.07231170887854, -117.22884775664832                    |
| County                      | San Bernardino-South Coast                                |
| City                        | Redlands                                                  |
| Air District                | South Coast AQMD                                          |
| Air Basin                   | South Coast                                               |
| TAZ                         | 5394                                                      |
| EDFZ                        | 10                                                        |
| Electric Utility            | Southern California Edison                                |
| Gas Utility                 | Southern California Gas                                   |
| App Version                 | 2022.1.1.30                                               |

## 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               |
|-------------------------|------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|---------------------------|
| Medical Office Building | 83.0 | 1000sqft | 0.46        | 83,000                | 593,000                | —                              | —          | Medical Office building 3 |

|             |     |       |      |      |      |   |   |   |
|-------------|-----|-------|------|------|------|---|---|---|
| Parking Lot | 415 | Space | 3.73 | 0.00 | 0.00 | — | — | — |
|-------------|-----|-------|------|------|------|---|---|---|

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

| Sector         | #     | Measure Title                                                                  |
|----------------|-------|--------------------------------------------------------------------------------|
| Construction   | C-13  | Use Low-VOC Paints for Construction                                            |
| Transportation | T-11* | Provide Employer-Sponsored Vanpool                                             |
| Transportation | T-14* | Provide Electric Vehicle Charging Infrastructure                               |
| Transportation | T-34* | Provide Bike Parking                                                           |
| Area Sources   | AS-1  | Use Low-VOC Cleaning Supplies                                                  |
| Area Sources   | LL-1  | Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment |
| Area Sources   | AS-2  | Use Low-VOC Paints                                                             |

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

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R       | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Unmit.              | 1.00 | 0.82 | 6.77 | 13.2 | 0.03 | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06 | 0.14    | 2,971 |
| Mit.                | 1.00 | 0.82 | 6.77 | 13.2 | 0.03 | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06 | 0.14    | 2,971 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Unmit.              | 20.6 | 20.6 | 14.5 | 19.0 | 0.05 | 0.48  | 5.34  | 5.82  | 0.44   | 2.68   | 3.12   | —    | 5,478 | 5,478 | 0.22 | 0.06 | < 0.005 | 5,496 |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |         |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|---------|-------|
| Mit.                | 20.6 | 20.6 | 14.5 | 19.0 | 0.05    | 0.48 | 5.34 | 5.82 | 0.44 | 2.68 | 3.12 | — | 5,478 | 5,478 | 0.22 | 0.06 | < 0.005 | 5,496 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Average Daily (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Unmit.              | 1.37 | 1.34 | 4.50 | 8.50 | 0.02    | 0.09 | 0.46 | 0.55 | 0.08 | 0.16 | 0.24 | — | 1,910 | 1,910 | 0.07 | 0.04 | 0.04    | 1,922 |
| Mit.                | 1.37 | 1.34 | 4.50 | 8.50 | 0.02    | 0.09 | 0.46 | 0.55 | 0.08 | 0.16 | 0.24 | — | 1,910 | 1,910 | 0.07 | 0.04 | 0.04    | 1,922 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Annual (Max)        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Unmit.              | 0.25 | 0.24 | 0.82 | 1.55 | < 0.005 | 0.02 | 0.08 | 0.10 | 0.02 | 0.03 | 0.04 | — | 316   | 316   | 0.01 | 0.01 | 0.01    | 318   |
| Mit.                | 0.25 | 0.24 | 0.82 | 1.55 | < 0.005 | 0.02 | 0.08 | 0.10 | 0.02 | 0.03 | 0.04 | — | 316   | 316   | 0.01 | 0.01 | 0.01    | 318   |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2044                 | 1.00 | 0.82 | 6.77 | 13.2 | 0.03 | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06 | 0.14    | 2,971 |
| 2045                 | 0.79 | 0.70 | 4.77 | 9.27 | 0.01 | 0.08  | 0.26  | 0.34  | 0.08   | 0.06   | 0.14   | —    | 1,575 | 1,575 | 0.06 | 0.01 | 0.06    | 1,580 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2043                 | 2.42 | 2.04 | 14.5 | 19.0 | 0.05 | 0.48  | 5.34  | 5.82  | 0.44   | 2.68   | 3.12   | —    | 5,478 | 5,478 | 0.22 | 0.04 | < 0.005 | 5,496 |
| 2044                 | 2.30 | 1.94 | 13.4 | 18.3 | 0.05 | 0.42  | 5.34  | 5.76  | 0.39   | 2.68   | 3.07   | —    | 5,477 | 5,477 | 0.22 | 0.06 | < 0.005 | 5,496 |
| 2045                 | 20.6 | 20.6 | 6.72 | 12.9 | 0.03 | 0.12  | 0.46  | 0.59  | 0.11   | 0.11   | 0.23   | —    | 2,922 | 2,922 | 0.11 | 0.06 | < 0.005 | 2,943 |

|               |      |      |      |      |         |         |      |      |         |         |      |   |       |       |         |         |         |       |
|---------------|------|------|------|------|---------|---------|------|------|---------|---------|------|---|-------|-------|---------|---------|---------|-------|
| Average Daily | —    | —    | —    | —    | —       | —       | —    | —    | —       | —       | —    | — | —     | —     | —       | —       | —       | —     |
| 2043          | 0.15 | 0.12 | 0.88 | 1.16 | < 0.005 | 0.03    | 0.32 | 0.35 | 0.03    | 0.16    | 0.19 | — | 332   | 332   | 0.01    | < 0.005 | < 0.005 | 334   |
| 2044          | 0.66 | 0.56 | 4.50 | 8.50 | 0.02    | 0.09    | 0.46 | 0.55 | 0.08    | 0.16    | 0.24 | — | 1,910 | 1,910 | 0.07    | 0.04    | 0.04    | 1,922 |
| 2045          | 1.37 | 1.34 | 1.22 | 2.34 | < 0.005 | 0.02    | 0.08 | 0.10 | 0.02    | 0.02    | 0.04 | — | 462   | 462   | 0.02    | 0.01    | 0.01    | 465   |
| Annual        | —    | —    | —    | —    | —       | —       | —    | —    | —       | —       | —    | — | —     | —     | —       | —       | —       | —     |
| 2043          | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01    | 0.06 | 0.06 | < 0.005 | 0.03    | 0.03 | — | 55.0  | 55.0  | < 0.005 | < 0.005 | < 0.005 | 55.2  |
| 2044          | 0.12 | 0.10 | 0.82 | 1.55 | < 0.005 | 0.02    | 0.08 | 0.10 | 0.02    | 0.03    | 0.04 | — | 316   | 316   | 0.01    | 0.01    | 0.01    | 318   |
| 2045          | 0.25 | 0.24 | 0.22 | 0.43 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 76.5  | 76.5  | < 0.005 | < 0.005 | < 0.005 | 76.9  |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R       | CO2e  |
|----------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|---------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2044                 | 1.00 | 0.82 | 6.77 | 13.2 | 0.03    | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06    | 0.14    | 2,971 |
| 2045                 | 0.79 | 0.70 | 4.77 | 9.27 | 0.01    | 0.08  | 0.26  | 0.34  | 0.08   | 0.06   | 0.14   | —    | 1,575 | 1,575 | 0.06 | 0.01    | 0.06    | 1,580 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2043                 | 2.42 | 2.04 | 14.5 | 19.0 | 0.05    | 0.48  | 5.34  | 5.82  | 0.44   | 2.68   | 3.12   | —    | 5,478 | 5,478 | 0.22 | 0.04    | < 0.005 | 5,496 |
| 2044                 | 2.30 | 1.94 | 13.4 | 18.3 | 0.05    | 0.42  | 5.34  | 5.76  | 0.39   | 2.68   | 3.07   | —    | 5,477 | 5,477 | 0.22 | 0.06    | < 0.005 | 5,496 |
| 2045                 | 20.6 | 20.6 | 6.72 | 12.9 | 0.03    | 0.12  | 0.46  | 0.59  | 0.11   | 0.11   | 0.23   | —    | 2,922 | 2,922 | 0.11 | 0.06    | < 0.005 | 2,943 |
| Average Daily        | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2043                 | 0.15 | 0.12 | 0.88 | 1.16 | < 0.005 | 0.03  | 0.32  | 0.35  | 0.03   | 0.16   | 0.19   | —    | 332   | 332   | 0.01 | < 0.005 | < 0.005 | 334   |
| 2044                 | 0.66 | 0.56 | 4.50 | 8.50 | 0.02    | 0.09  | 0.46  | 0.55  | 0.08   | 0.16   | 0.24   | —    | 1,910 | 1,910 | 0.07 | 0.04    | 0.04    | 1,922 |
| 2045                 | 1.37 | 1.34 | 1.22 | 2.34 | < 0.005 | 0.02  | 0.08  | 0.10  | 0.02   | 0.02   | 0.04   | —    | 462   | 462   | 0.02 | 0.01    | 0.01    | 465   |
| Annual               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |



|      |      |      |      |      |         |         |      |      |         |         |      |   |      |      |         |         |         |      |
|------|------|------|------|------|---------|---------|------|------|---------|---------|------|---|------|------|---------|---------|---------|------|
| 2043 | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01    | 0.06 | 0.06 | < 0.005 | 0.03    | 0.03 | — | 55.0 | 55.0 | < 0.005 | < 0.005 | < 0.005 | 55.2 |
| 2044 | 0.12 | 0.10 | 0.82 | 1.55 | < 0.005 | 0.02    | 0.08 | 0.10 | 0.02    | 0.03    | 0.04 | — | 316  | 316  | 0.01    | 0.01    | 0.01    | 318  |
| 2045 | 0.25 | 0.24 | 0.22 | 0.43 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 76.5 | 76.5 | < 0.005 | < 0.005 | < 0.005 | 76.9 |

## 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.              | 9.15 | 8.54 | 5.23   | 64.4 | 0.19 | 0.09  | 20.3  | 20.4   | 0.08   | 5.15   | 5.23   | 503  | 19,290 | 19,793 | 50.9 | 0.84 | 7.09 | 21,324 |
| Mit.                | 8.38 | 7.81 | 5.20   | 60.8 | 0.19 | 0.08  | 20.3  | 20.4   | 0.07   | 5.15   | 5.22   | 503  | 19,279 | 19,782 | 50.9 | 0.84 | 7.09 | 21,312 |
| % Reduced           | 8%   | 9%   | 1%     | 6%   | —    | 8%    | —     | < 0.5% | 6%     | —      | < 0.5% | —    | < 0.5% | < 0.5% | —    | —    | —    | < 0.5% |
| Daily, Winter (Max) | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.30 | 7.74 | 5.59   | 50.6 | 0.17 | 0.08  | 20.3  | 20.4   | 0.07   | 5.15   | 5.22   | 503  | 18,060 | 18,563 | 50.9 | 0.87 | 2.25 | 20,097 |
| Mit.                | 8.17 | 7.61 | 5.59   | 50.6 | 0.17 | 0.08  | 20.3  | 20.4   | 0.07   | 5.15   | 5.22   | 503  | 18,060 | 18,563 | 50.9 | 0.87 | 2.25 | 20,097 |
| % Reduced           | 2%   | 2%   | —      | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 7.12 | 6.66 | 4.27   | 42.0 | 0.13 | 0.06  | 15.1  | 15.1   | 0.06   | 3.82   | 3.88   | 503  | 13,811 | 14,314 | 50.8 | 0.67 | 3.74 | 15,787 |
| Mit.                | 6.54 | 6.12 | 4.25   | 39.5 | 0.13 | 0.06  | 15.1  | 15.1   | 0.06   | 3.82   | 3.88   | 503  | 13,804 | 14,307 | 50.8 | 0.67 | 3.74 | 15,779 |
| % Reduced           | 8%   | 8%   | < 0.5% | 6%   | —    | 7%    | —     | < 0.5% | 6%     | —      | < 0.5% | —    | < 0.5% | < 0.5% | —    | —    | —    | < 0.5% |
| Annual (Max)        | —    | —    | —      | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 1.30 | 1.21 | 0.78   | 7.66 | 0.02 | 0.01  | 2.75  | 2.76   | 0.01   | 0.70   | 0.71   | 83.3 | 2,287  | 2,370  | 8.41 | 0.11 | 0.62 | 2,614  |
| Mit.                | 1.19 | 1.12 | 0.77   | 7.21 | 0.02 | 0.01  | 2.75  | 2.76   | 0.01   | 0.70   | 0.71   | 83.3 | 2,285  | 2,369  | 8.41 | 0.11 | 0.62 | 2,612  |

|           |    |    |        |    |        |    |   |        |    |   |        |   |        |        |        |        |   |        |
|-----------|----|----|--------|----|--------|----|---|--------|----|---|--------|---|--------|--------|--------|--------|---|--------|
| % Reduced | 8% | 8% | < 0.5% | 6% | < 0.5% | 7% | — | < 0.5% | 6% | — | < 0.5% | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
|-----------|----|----|--------|----|--------|----|---|--------|----|---|--------|---|--------|--------|--------|--------|---|--------|

## 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              | 6.60 | 6.04 | 5.20 | 60.8 | 0.19    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 19,098 | 19,098 | 0.57    | 0.79    | 4.96 | 19,353 |
| Area                | 2.55 | 2.50 | 0.03 | 3.61 | < 0.005 | 0.01    | —     | 0.01    | < 0.005 | —      | < 0.005 | —    | 14.8   | 14.8   | < 0.005 | < 0.005 | —    | 14.9   |
| Water               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 9.15 | 8.54 | 5.23 | 64.4 | 0.19    | 0.09    | 20.3  | 20.4    | 0.08    | 5.15   | 5.23    | 503  | 19,290 | 19,793 | 50.9    | 0.84    | 7.09 | 21,324 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 6.40 | 5.83 | 5.59 | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 17,883 | 17,883 | 0.59    | 0.82    | 0.13 | 18,141 |
| Area                | 1.91 | 1.91 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 8.30 | 7.74 | 5.59 | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | 503  | 18,060 | 18,563 | 50.9    | 0.87    | 2.25 | 20,097 |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.77 | 4.34 | 4.25 | 39.5 | 0.13    | 0.06    | 15.1  | 15.1    | 0.06    | 3.82   | 3.88    | —    | 13,624 | 13,624 | 0.44    | 0.62    | 1.62 | 13,821 |
| Area                | 2.35 | 2.31 | 0.02 | 2.47 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 10.2   | 10.2   | < 0.005 | < 0.005 | —    | 10.2   |
| Water               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |

|         |      |      |         |      |         |         |      |         |         |      |         |      |        |        |         |         |      |        |
|---------|------|------|---------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Refrig. | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total   | 7.12 | 6.66 | 4.27    | 42.0 | 0.13    | 0.06    | 15.1 | 15.1    | 0.06    | 3.82 | 3.88    | 503  | 13,811 | 14,314 | 50.8    | 0.67    | 3.74 | 15,787 |
| Annual  | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile  | 0.87 | 0.79 | 0.77    | 7.21 | 0.02    | 0.01    | 2.75 | 2.76    | 0.01    | 0.70 | 0.71    | —    | 2,256  | 2,256  | 0.07    | 0.10    | 0.27 | 2,288  |
| Area    | 0.43 | 0.42 | < 0.005 | 0.45 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —    | 1.68   | 1.68   | < 0.005 | < 0.005 | —    | 1.69   |
| Water   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 3.30 | 29.3   | 32.6   | 0.34    | 0.01    | —    | 43.6   |
| Waste   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 80.0 | 0.00   | 80.0   | 7.99    | 0.00    | —    | 280    |
| Refrig. | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.35 | 0.35   |
| Total   | 1.30 | 1.21 | 0.78    | 7.66 | 0.02    | 0.01    | 2.75 | 2.76    | 0.01    | 0.70 | 0.71    | 83.3 | 2,287  | 2,370  | 8.41    | 0.11    | 0.62 | 2,614  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57    | 0.79    | 4.96 | 19,353 |
| Area                | 1.77 | 1.77 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | 3.39   | 3.39   | < 0.005 | < 0.005 | —    | 3.40   |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 8.38 | 7.81 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | 503  | 19,279 | 19,782 | 50.9    | 0.84    | 7.09 | 21,312 |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59    | 0.82    | 0.13 | 18,141 |
| Area                | 1.77 | 1.77 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |

|               |      |      |      |      |      |      |      |      |      |      |      |      |        |        |         |         |      |        |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|---------|---------|------|--------|
| Waste         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.       | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total         | 8.17 | 7.61 | 5.59 | 50.6 | 0.17 | 0.08 | 20.3 | 20.4 | 0.07 | 5.15 | 5.22 | 503  | 18,060 | 18,563 | 50.9    | 0.87    | 2.25 | 20,097 |
| Average Daily | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 4.77 | 4.34 | 4.25 | 39.5 | 0.13 | 0.06 | 15.1 | 15.1 | 0.06 | 3.82 | 3.88 | —    | 13,624 | 13,624 | 0.44    | 0.62    | 1.62 | 13,821 |
| Area          | 1.77 | 1.77 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Energy        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 2.32   | 2.32   | < 0.005 | < 0.005 | —    | 2.33   |
| Water         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.       | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total         | 6.54 | 6.12 | 4.25 | 39.5 | 0.13 | 0.06 | 15.1 | 15.1 | 0.06 | 3.82 | 3.88 | 503  | 13,804 | 14,307 | 50.8    | 0.67    | 3.74 | 15,779 |
| Annual        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | —    | 2,256  | 2,256  | 0.07    | 0.10    | 0.27 | 2,288  |
| Area          | 0.32 | 0.32 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Energy        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 0.38   | 0.38   | < 0.005 | < 0.005 | —    | 0.39   |
| Water         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 3.30 | 29.3   | 32.6   | 0.34    | 0.01    | —    | 43.6   |
| Waste         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 80.0 | 0.00   | 80.0   | 7.99    | 0.00    | —    | 280    |
| Refrig.       | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.35 | 0.35   |
| Total         | 1.19 | 1.12 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | 83.3 | 2,285  | 2,369  | 8.41    | 0.11    | 0.62 | 2,612  |

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2043) - Unmitigated

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

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

|                             |      |      |      |      |         |      |      |      |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|------|------|------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.39 | 2.01 | 14.5 | 18.6 | 0.05    | 0.48 | —    | 0.48 | 0.44    | —    | 0.44    | — | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 5.11 | 5.11 | —       | 2.63 | 2.63    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.15 | 0.12 | 0.88 | 1.13 | < 0.005 | 0.03 | —    | 0.03 | 0.03    | —    | 0.03    | — | 321   | 321   | 0.01    | < 0.005 | —    | 322   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.31 | 0.31 | —       | 0.16 | 0.16    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01 | —    | 0.01 | < 0.005 | —    | < 0.005 | — | 53.2  | 53.2  | < 0.005 | < 0.005 | —    | 53.4  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.06 | 0.06 | —       | 0.03 | 0.03    | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.41    | 0.00 | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 182  | 182  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | < 0.005 | 11.2 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | < 0.005 | 1.86 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.2. Site Preparation (2043) - Mitigated

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

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

|                             |      |      |      |      |         |      |      |      |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|------|------|------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment          | 2.39 | 2.01 | 14.5 | 18.6 | 0.05    | 0.48 | —    | 0.48 | 0.44    | —    | 0.44    | — | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 5.11 | 5.11 | —       | 2.63 | 2.63    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.15 | 0.12 | 0.88 | 1.13 | < 0.005 | 0.03 | —    | 0.03 | 0.03    | —    | 0.03    | — | 321   | 321   | 0.01    | < 0.005 | —    | 322   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.31 | 0.31 | —       | 0.16 | 0.16    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01 | —    | 0.01 | < 0.005 | —    | < 0.005 | — | 53.2  | 53.2  | < 0.005 | < 0.005 | —    | 53.4  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.06 | 0.06 | —       | 0.03 | 0.03    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.41    | 0.00 | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 182  | 182  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | < 0.005 | 11.2 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | < 0.005 | 1.86 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.3. Site Preparation (2044) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 2.28 | 1.92 | 13.4 | 17.9 | 0.05 | 0.42  | —     | 0.42  | 0.39   | —      | 0.39   | —    | 5,296 | 5,296 | 0.21 | 0.04 | — | 5,314 |



|                             |         |         |      |      |         |         |      |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|------|------|---------|---------|------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —    | —    | —       | —       | 5.11 | 5.11    | —       | 2.63    | 2.63    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.01    | 0.01    | 0.08 | 0.11 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 31.1 | 31.1 | < 0.005 | < 0.005 | —       | 31.2 |
| Dust From Material Movement | —       | —       | —    | —    | —       | —       | 0.03 | 0.03    | —       | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.15 | 5.15 | < 0.005 | < 0.005 | —       | 5.17 |
| Dust From Material Movement | —       | —       | —    | —    | —       | —       | 0.01 | 0.01    | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02 | 0.41 | 0.00    | 0.00    | 0.23 | 0.23    | 0.00    | 0.05    | 0.05    | — | 181  | 181  | < 0.005 | < 0.005 | < 0.005 | 182  |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.08 | 1.08 | < 0.005 | < 0.005 | < 0.005 | 1.08 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.18 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.18 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2044) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.28 | 1.92 | 13.4 | 17.9 | 0.05 | 0.42  | —     | 0.42  | 0.39   | —      | 0.39   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 5.11  | 5.11  | —      | 2.63   | 2.63   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.01    | 0.01    | 0.08    | 0.11    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 31.1 | 31.1 | < 0.005 | < 0.005 | —       | 31.2 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.03    | 0.03    | —       | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.15 | 5.15 | < 0.005 | < 0.005 | —       | 5.17 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.41    | 0.00    | 0.00    | 0.23    | 0.23    | 0.00    | 0.05    | 0.05    | — | 181  | 181  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.08 | 1.08 | < 0.005 | < 0.005 | < 0.005 | 1.08 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.18 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.18 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Fine Grading (2044) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 1.23 | 1.03 | 7.54 | 13.7 | 0.03    | 0.21  | —     | 0.21  | 0.19   | —      | 0.19   | —    | 2,959 | 2,959 | 0.12 | 0.02    | —    | 2,969 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 1.84  | 1.84  | —      | 0.89   | 0.89   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.09 | 0.64 | 1.17 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 251   | 251   | 0.01 | < 0.005 | —    | 252   |

|                             |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —    | —       | —       | 0.16    | 0.16    | —       | 0.08    | 0.08    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02    | 0.02    | 0.12    | 0.21 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 41.6 | 41.6 | < 0.005 | < 0.005 | —       | 41.8 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —       | 0.03    | 0.03    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 155  | 155  | < 0.005 | < 0.005 | < 0.005 | 156  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00    | 0.00    | 0.02    | 0.02    | 0.00    | < 0.005 | < 0.005 | — | 13.4 | 13.4 | < 0.005 | < 0.005 | < 0.005 | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.22 | 2.22 | < 0.005 | < 0.005 | < 0.005 | 2.22 |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Vendor  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 3.6. Fine Grading (2044) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 1.23 | 1.03 | 7.54 | 13.7 | 0.03    | 0.21  | —     | 0.21  | 0.19   | —      | 0.19   | —    | 2,959 | 2,959 | 0.12 | 0.02    | —    | 2,969 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 1.84  | 1.84  | —      | 0.89   | 0.89   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.09 | 0.64 | 1.17 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 251   | 251   | 0.01 | < 0.005 | —    | 252   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.16  | 0.16  | —      | 0.08   | 0.08   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |

|                             |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual                      | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02    | 0.02    | 0.12    | 0.21 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 41.6 | 41.6 | < 0.005 | < 0.005 | —       | 41.8 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —       | 0.03    | 0.03    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 155  | 155  | < 0.005 | < 0.005 | < 0.005 | 156  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00    | 0.00    | 0.02    | 0.02    | 0.00    | < 0.005 | < 0.005 | — | 13.4 | 13.4 | < 0.005 | < 0.005 | < 0.005 | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.22 | 2.22 | < 0.005 | < 0.005 | < 0.005 | 2.22 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building Construction (2044) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.51 | 0.42 | 3.53 | 6.66 | 0.01    | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 1,304 | 1,304 | 0.05 | 0.01    | —    | 1,308 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.09 | 0.08 | 0.64 | 1.21 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 216   | 216   | 0.01 | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |



|                     |         |         |         |      |         |         |      |      |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Offsite             | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.05    | 0.04    | 0.03    | 0.83 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08    | 0.08    | — | 300  | 300  | < 0.005 | < 0.005 | 0.10    | 300  |
| Vendor              | 0.02    | 0.01    | 0.25    | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03    | 0.04    | — | 254  | 254  | 0.01    | 0.04    | 0.04    | 266  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.62 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08    | 0.08    | — | 275  | 275  | < 0.005 | < 0.005 | < 0.005 | 276  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03    | 0.04    | — | 254  | 254  | 0.01    | 0.04    | < 0.005 | 266  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.19 | 0.19 | 0.00    | 0.04    | 0.04    | — | 152  | 152  | < 0.005 | < 0.005 | 0.02    | 152  |
| Vendor              | 0.01    | < 0.005 | 0.14    | 0.08 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02    | 0.02    | — | 138  | 138  | 0.01    | 0.02    | 0.01    | 145  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03 | 0.03 | 0.00    | 0.01    | 0.01    | — | 25.1 | 25.1 | < 0.005 | < 0.005 | < 0.005 | 25.2 |
| Vendor              | < 0.005 | < 0.005 | 0.03    | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22.9 | 22.9 | < 0.005 | < 0.005 | < 0.005 | 24.0 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.8. Building Construction (2044) - Mitigated

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

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

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road            | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12    | —    | 0.12 | 0.11    | —    | 0.11 | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12    | —    | 0.12 | 0.11    | —    | 0.11 | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.51 | 0.42 | 3.53 | 6.66 | 0.01    | 0.07    | —    | 0.07 | 0.06    | —    | 0.06 | — | 1,304 | 1,304 | 0.05    | 0.01    | —    | 1,308 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.09 | 0.08 | 0.64 | 1.21 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.05 | 0.04 | 0.03 | 0.83 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08 | 0.08 | — | 300   | 300   | < 0.005 | < 0.005 | 0.10 | 300   |
| Vendor              | 0.02 | 0.01 | 0.25 | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03 | 0.04 | — | 254   | 254   | 0.01    | 0.04    | 0.04 | 266   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |         |         |      |      |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.62 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08    | 0.08    | — | 275  | 275  | < 0.005 | < 0.005 | < 0.005 | 276  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03    | 0.04    | — | 254  | 254  | 0.01    | 0.04    | < 0.005 | 266  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.19 | 0.19 | 0.00    | 0.04    | 0.04    | — | 152  | 152  | < 0.005 | < 0.005 | 0.02    | 152  |
| Vendor              | 0.01    | < 0.005 | 0.14    | 0.08 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02    | 0.02    | — | 138  | 138  | 0.01    | 0.02    | 0.01    | 145  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03 | 0.03 | 0.00    | 0.01    | 0.01    | — | 25.1 | 25.1 | < 0.005 | < 0.005 | < 0.005 | 25.2 |
| Vendor              | < 0.005 | < 0.005 | 0.03    | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22.9 | 22.9 | < 0.005 | < 0.005 | < 0.005 | 24.0 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2045) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.92 | 0.77 | 6.42 | 12.2 | 0.02 | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.08    | 0.07    | 0.58    | 1.09    | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 216  | 216  | 0.01    | < 0.005 | —       | 217  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11    | 0.20    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 35.7 | 35.7 | < 0.005 | < 0.005 | —       | 35.8 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.61    | 0.00    | 0.00    | 0.35    | 0.35    | 0.00    | 0.08    | 0.08    | — | 274  | 274  | < 0.005 | < 0.005 | < 0.005 | 275  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14    | < 0.005 | < 0.005 | 0.12    | 0.12    | < 0.005 | 0.03    | 0.04    | — | 251  | 251  | 0.01    | 0.04    | < 0.005 | 263  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.0 | 25.0 | < 0.005 | < 0.005 | < 0.005 | 25.1 |
| Vendor              | < 0.005 | < 0.005 | 0.02    | 0.01    | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | — | 22.6 | 22.6 | < 0.005 | < 0.005 | < 0.005 | 23.6 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 4.15 | 4.15 | < 0.005 | < 0.005 | < 0.005 | 4.15 |
| Vendor              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.74 | 3.74 | < 0.005 | < 0.005 | < 0.005 | 3.91 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.10. Building Construction (2045) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.92 | 0.77 | 6.42 | 12.2 | 0.02    | 0.12    | —     | 0.12    | 0.11    | —      | 0.11    | —    | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.08 | 0.07 | 0.58 | 1.09 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.01 | 0.11 | 0.20 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 35.7  | 35.7  | < 0.005 | < 0.005 | —    | 35.8  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.61    | 0.00    | 0.00    | 0.35    | 0.35    | 0.00    | 0.08    | 0.08    | — | 274  | 274  | < 0.005 | < 0.005 | < 0.005 | 275  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14    | < 0.005 | < 0.005 | 0.12    | 0.12    | < 0.005 | 0.03    | 0.04    | — | 251  | 251  | 0.01    | 0.04    | < 0.005 | 263  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.0 | 25.0 | < 0.005 | < 0.005 | < 0.005 | 25.1 |
| Vendor              | < 0.005 | < 0.005 | 0.02    | 0.01    | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | — | 22.6 | 22.6 | < 0.005 | < 0.005 | < 0.005 | 23.6 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 4.15 | 4.15 | < 0.005 | < 0.005 | < 0.005 | 4.15 |
| Vendor              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.74 | 3.74 | < 0.005 | < 0.005 | < 0.005 | 3.91 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.11. Paving+ landscaping (2045) - 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 | 0.54 | 0.46 | 4.75 | 8.66 | 0.01 | 0.08  | —     | 0.08  | 0.08   | —      | 0.08   | —    | 1,350 | 1,350 | 0.05 | 0.01 | —    | 1,354 |
| Paving              | 0.22 | 0.22 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.54    | 0.46    | 4.75 | 8.66 | 0.01    | 0.08    | —    | 0.08    | 0.08    | —    | 0.08    | — | 1,350 | 1,350 | 0.05    | 0.01    | —    | 1,354 |
| Paving              | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.07    | 0.05    | 0.57 | 1.04 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 163   | 163   | 0.01    | < 0.005 | —    | 163   |
| Paving              | 0.03    | 0.03    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.19 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 26.9  | 26.9  | < 0.005 | < 0.005 | —    | 27.0  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03    | 0.03    | 0.02 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26    | 0.00    | 0.06 | 0.06    | — | 225   | 225   | < 0.005 | < 0.005 | 0.06 | 225   |
| Vendor              | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.03    | 0.02    | 0.46 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 207  | 207  | < 0.005 | < 0.005 | < 0.005 | 207  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01    | 0.01    | — | 25.3 | 25.3 | < 0.005 | < 0.005 | < 0.005 | 25.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.18 | 4.18 | < 0.005 | < 0.005 | < 0.005 | 4.19 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.12. Paving+ landscaping (2045) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipm ent | 0.54 | 0.46 | 4.75 | 8.66 | 0.01 | 0.08  | —     | 0.08  | 0.08   | —      | 0.08   | —    | 1,350 | 1,350 | 0.05 | 0.01 | —    | 1,354 |
| Paving              | 0.22 | 0.22 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |



|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.54    | 0.46    | 4.75 | 8.66 | 0.01    | 0.08    | —    | 0.08    | 0.08    | —    | 0.08    | — | 1,350 | 1,350 | 0.05    | 0.01    | —    | 1,354 |
| Paving              | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.07    | 0.05    | 0.57 | 1.04 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 163   | 163   | 0.01    | < 0.005 | —    | 163   |
| Paving              | 0.03    | 0.03    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.19 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 26.9  | 26.9  | < 0.005 | < 0.005 | —    | 27.0  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03    | 0.03    | 0.02 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26    | 0.00    | 0.06 | 0.06    | — | 225   | 225   | < 0.005 | < 0.005 | 0.06 | 225   |
| Vendor              | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.03    | 0.02    | 0.46 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 207  | 207  | < 0.005 | < 0.005 | < 0.005 | 207  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01    | 0.01    | — | 25.3 | 25.3 | < 0.005 | < 0.005 | < 0.005 | 25.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.18 | 4.18 | < 0.005 | < 0.005 | < 0.005 | 4.19 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.13. Architectural Coating (2045) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|---|------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | — | 134  |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Architectural Coating  | 20.5    | 20.5    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.04 | 0.06 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 7.68 | 7.68 | < 0.005 | < 0.005 | —       | 7.71 |
| Architectural Coatings | 1.18    | 1.18    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.27 | 1.27 | < 0.005 | < 0.005 | —       | 1.28 |
| Architectural Coatings | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01 | 0.12 | 0.00    | 0.00    | 0.07 | 0.07    | 0.00    | 0.02 | 0.02    | — | 54.9 | 54.9 | < 0.005 | < 0.005 | < 0.005 | 55.0 |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.20 | 3.20 | < 0.005 | < 0.005 | < 0.005 | 3.21 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.53 | 0.53 | < 0.005 | < 0.005 | < 0.005 | 0.53 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.14. Architectural Coating (2045) - Mitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 20.5 | 20.5 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |

|                        |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment     | 0.01    | 0.01    | 0.04    | 0.06 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 7.68 | 7.68 | < 0.005 | < 0.005 | —       | 7.71 |
| Architectural Coatings | 1.18    | 1.18    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.27 | 1.27 | < 0.005 | < 0.005 | —       | 1.28 |
| Architectural Coatings | 0.22    | 0.22    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01    | 0.12 | 0.00    | 0.00    | 0.07    | 0.07    | 0.00    | 0.02    | 0.02    | — | 54.9 | 54.9 | < 0.005 | < 0.005 | < 0.005 | 55.0 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 3.20 | 3.20 | < 0.005 | < 0.005 | < 0.005 | 3.21 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.53 | 0.53 | < 0.005 | < 0.005 | < 0.005 | 0.53 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.15. Utilities Trenching and Installation (2044) - Unmitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.11    | 0.09    | 1.08 | 1.32 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09 | 0.11 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 17.1  | 17.1 | < 0.005 | < 0.005 | —    | 17.1 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 2.82  | 2.82 | < 0.005 | < 0.005 | —    | 2.83 |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 25.9 | 25.9 | < 0.005 | < 0.005 | < 0.005 | 26.0 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.16 | 2.16 | < 0.005 | < 0.005 | < 0.005 | 2.16 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.36 | 0.36 | < 0.005 | < 0.005 | < 0.005 | 0.36 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Utilities Trenching and Installation (2044) - Mitigated

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

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

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.11    | 0.09    | 1.08    | 1.32 | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09    | 0.11 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 17.1 | 17.1 | < 0.005 | < 0.005 | —       | 17.1 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 2.82 | 2.82 | < 0.005 | < 0.005 | —       | 2.83 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.9 | 25.9 | < 0.005 | < 0.005 | < 0.005 | 26.0 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.16 | 2.16 | < 0.005 | < 0.005 | < 0.005 | 2.16 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |



|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.36 | 0.36 | < 0.005 | < 0.005 | < 0.005 | 0.36 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |

|                         |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Medical Office Building | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total                   | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |

#### 4.1.2. Mitigated

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

| Land Use                | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|-------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01  | 2.75  | 2.76  | 0.01   | 0.70   | 0.71   | —    | 2,256  | 2,256  | 0.07 | 0.10 | 0.27 | 2,288  |

|             |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total       | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 3.39  | 3.39 | < 0.005 | < 0.005 | — | 3.40 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.00  | 0.00 | 0.00    | 0.00    | — | 0.00 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |      |      |         |         |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|------|------|---------|---------|---|------|
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 3.39 | 3.39 | < 0.005 | < 0.005 | — | 3.40 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —       | —       | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.38 | 0.38 | < 0.005 | < 0.005 | — | 0.39 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 0.38 | 0.38 | < 0.005 | < 0.005 | — | 0.39 |

#### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|---------|--------|---------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 1.79 | 1.79 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.12 | 0.12 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.64 | 0.59 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |
| Total                  | 2.55 | 2.50 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |

|                                   |      |      |         |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|-----------------------------------|------|------|---------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Consum<br>Products                | 1.79 | 1.79 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.12 | 0.12 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                             | 1.91 | 1.91 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                            | —    | —    | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consum<br>er<br>Product<br>s      | 0.33 | 0.33 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.02 | 0.02 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landsca<br>pe<br>Equipm<br>ent    | 0.08 | 0.07 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |
| Total                             | 0.43 | 0.42 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |

#### 4.3.2. Mitigated

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,<br>Summer<br>(Max)         | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consum<br>er<br>Product<br>s      | 1.66 | 1.66 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.12 | 0.12 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                        |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total                  | 1.77 | 1.77 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max)    | —    | —    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products      | 1.66 | 1.66 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.12 | 0.12 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total                  | 1.77 | 1.77 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual                 | —    | —    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products      | 0.30 | 0.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.02 | 0.02 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total                  | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |

#### 4.4.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 20.0 | 177   | 197  | 2.06 | 0.05 | — | 263  |



|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |

#### 4.5.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e  |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|-------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.35 | 0.35 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.35 | 0.35 |

#### 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.35 | 0.35 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.35 | 0.35 |

#### 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.7.2. Mitigated

## 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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.8.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.9. 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<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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

#### 4.10. 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    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —           | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date  | Days Per Week | Work Days per Phase | Phase Description |
|--------------------------------------|-----------------------|------------|-----------|---------------|---------------------|-------------------|
| Site Preparation                     | Site Preparation      | 12/1/2043  | 1/3/2044  | 5.00          | 24.0                | —                 |
| Fine Grading                         | Grading               | 2/14/2044  | 3/28/2044 | 5.00          | 31.0                | —                 |
| Building Construction                | Building Construction | 3/29/2044  | 2/15/2045 | 5.00          | 232                 | —                 |
| Paving+ landscaping                  | Paving                | 3/17/2045  | 5/17/2045 | 5.00          | 44.0                | —                 |
| Architectural Coating                | Architectural Coating | 2/16/2045  | 3/16/2045 | 5.00          | 21.0                | —                 |
| Utilities Trenching and Installation | Trenching             | 1/4/2044   | 2/13/2044 | 5.00          | 30.0                | —                 |

### 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 |
|------------|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|------------|----------------|-----------|-------------|----------------|---------------|------------|-------------|

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Site Preparation                     | Rubber Tired Dozers        | Diesel | Average | 3.00 | 8.00 | 367  | 0.40 |
| Site Preparation                     | Tractors/Loaders/Back hoes | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Fine Grading                         | Excavators                 | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Fine Grading                         | Graders                    | Diesel | Average | 1.00 | 8.00 | 148  | 0.41 |
| Fine Grading                         | Rubber Tired Dozers        | Diesel | Average | 1.00 | 8.00 | 367  | 0.40 |
| Fine Grading                         | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction                | Cranes                     | Diesel | Average | 1.00 | 7.00 | 367  | 0.29 |
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ landscaping                  | Cement and Mortar Mixers   | Diesel | Average | 2.00 | 6.00 | 10.0 | 0.56 |
| Paving+ landscaping                  | Pavers                     | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving+ landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 6.00 | 89.0 | 0.36 |
| Paving+ landscaping                  | Rollers                    | Diesel | Average | 2.00 | 6.00 | 36.0 | 0.38 |
| Paving+ landscaping                  | Tractors/Loaders/Back hoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name       | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Fine Grading     | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Fine Grading                         | Graders                    | Diesel | Average | 1.00 | 8.00 | 148  | 0.41 |
| Fine Grading                         | Rubber Tired Dozers        | Diesel | Average | 1.00 | 8.00 | 367  | 0.40 |
| Fine Grading                         | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction                | Cranes                     | Diesel | Average | 1.00 | 7.00 | 367  | 0.29 |
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ landscaping                  | Cement and Mortar Mixers   | Diesel | Average | 2.00 | 6.00 | 10.0 | 0.56 |
| Paving+ landscaping                  | Pavers                     | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving+ landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 6.00 | 89.0 | 0.36 |
| Paving+ landscaping                  | Rollers                    | Diesel | Average | 2.00 | 6.00 | 36.0 | 0.38 |
| Paving+ landscaping                  | Tractors/Loaders/Back hoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name       | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | —            | —                     | —              | —             |
| Site Preparation | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation | Onsite truck | —                     | —              | HHDT          |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 26.6 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 13.6 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ landscaping                  | —            | —    | —    | —             |
| Paving+ landscaping                  | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 5.31 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | Onsite truck | —    | —    | HHDT          |

## 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|------------|-----------|-----------------------|----------------|-------------|
|------------|-----------|-----------------------|----------------|-------------|

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Site Preparation                     | —            | —    | —    | —             |
| Site Preparation                     | Worker       | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00 | 20.0 | HHDT          |
| Site Preparation                     | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 26.6 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 13.6 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ landscaping                  | —            | —    | —    | —             |
| Paving+ landscaping                  | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 5.31 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |



|              |              |      |      |      |
|--------------|--------------|------|------|------|
| Fine Grading | Hauling      | 0.00 | 20.0 | HHDT |
| Fine Grading | 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 | 0.00                                     | 0.00                                     | 124,500                                      | 41,500                                       | 9,762                       |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation    | —                      | —                      | 36.0                 | 0.00                          | —                   |
| Fine Grading        | —                      | —                      | 31.0                 | 0.00                          | —                   |
| Paving+ landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 3.73                |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|----------------------------|---------------------|----------------|-----------------|
| Water Exposed Area         | 3                   | 74%            | 74%             |

## 5.7. Construction Paving

| Land Use                | Area Paved (acres) | % Asphalt |
|-------------------------|--------------------|-----------|
| Medical Office Building | 0.00               | 0%        |
| Parking Lot             | 3.73               | 100%      |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2043 | 0.00         | 532 | 0.03 | < 0.005 |
| 2044 | 0.00         | 532 | 0.03 | < 0.005 |
| 2045 | 0.00         | 532 | 0.03 | < 0.005 |

## 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  |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Medical Office Building | 2,988         | 711            | 118          | 822,250    | 28,633      | 6,816        | 1,129      | 7,879,360 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

### 5.9.2. Mitigated

| Land Use Type           | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year  |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Medical Office Building | 2,988         | 711            | 118          | 822,250    | 28,633      | 6,816        | 1,129      | 7,879,360 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

## 5.10. Operational Area Sources

## 5.10.1. Hearths

## 5.10.1.1. Unmitigated

## 5.10.1.2. Mitigated

## 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 124,500                                      | 41,500                                       | 9,762                       |

## 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.11.2. Mitigated

## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.12. Operational Water and Wastewater Consumption

## 5.12.1. Unmitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 10,414,885              | 9,523,060                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.12.2. Mitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 10,414,885              | 9,523,060                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 896              | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.13.2. Mitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 896              | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

### 5.14.2. Mitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

#### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

#### 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

#### 5.18. Vegetation

##### 5.18.1. Land Use Change

###### 5.18.1.1. Unmitigated

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

###### 5.18.1.2. Mitigated

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

##### 5.18.1. Biomass Cover Type

###### 5.18.1.1. Unmitigated

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

###### 5.18.1.2. Mitigated

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

## 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

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

### 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | 100                             |
| AQ-PM                           | 57.4                            |
| AQ-DPM                          | 82.8                            |
| Drinking Water                  | 96.3                            |
| Lead Risk Housing               | 29.2                            |
| Pesticides                      | 74.7                            |
| Toxic Releases                  | 44.2                            |
| Traffic                         | 81.0                            |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 81.9                            |
| Groundwater                     | 47.6                            |
| Haz Waste Facilities/Generators | 96.8                            |
| Impaired Water Bodies           | 12.5                            |
| Solid Waste                     | 0.00                            |
| Sensitive Population            | —                               |
| Asthma                          | 34.7                            |
| Cardio-vascular                 | 45.1                            |
| Low Birth Weights               | 75.6                            |
| Socioeconomic Factor Indicators | —                               |

|              |      |
|--------------|------|
| Education    | 39.2 |
| Housing      | 89.1 |
| Linguistic   | 17.3 |
| Poverty      | 55.9 |
| Unemployment | 14.4 |

## 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          | 37.76466059                     |
| Employed               | 27.51186963                     |
| Median HI              | 26.53663544                     |
| Education              | —                               |
| Bachelor's or higher   | 60.5800077                      |
| High school enrollment | 100                             |
| Preschool enrollment   | 11.52316181                     |
| Transportation         | —                               |
| Auto Access            | 62.47914795                     |
| Active commuting       | 28.56409598                     |
| Social                 | —                               |
| 2-parent households    | 37.02040293                     |
| Voting                 | 39.83061722                     |
| Neighborhood           | —                               |
| Alcohol availability   | 30.07827538                     |
| Park access            | 50.53252919                     |
| Retail density         | 65.94379571                     |
| Supermarket access     | 72.28281791                     |

|                                              |             |
|----------------------------------------------|-------------|
| Tree canopy                                  | 43.62889773 |
| Housing                                      | —           |
| Homeownership                                | 9.303220839 |
| Housing habitability                         | 37.12305916 |
| Low-inc homeowner severe housing cost burden | 73.38637239 |
| Low-inc renter severe housing cost burden    | 66.31592455 |
| Uncrowded housing                            | 31.19466188 |
| Health Outcomes                              | —           |
| Insured adults                               | 48.58206082 |
| Arthritis                                    | 92.2        |
| Asthma ER Admissions                         | 65.8        |
| High Blood Pressure                          | 95.2        |
| Cancer (excluding skin)                      | 82.6        |
| Asthma                                       | 30.0        |
| Coronary Heart Disease                       | 94.7        |
| Chronic Obstructive Pulmonary Disease        | 71.2        |
| Diagnosed Diabetes                           | 92.6        |
| Life Expectancy at Birth                     | 79.7        |
| Cognitively Disabled                         | 52.2        |
| Physically Disabled                          | 60.6        |
| Heart Attack ER Admissions                   | 32.7        |
| Mental Health Not Good                       | 41.5        |
| Chronic Kidney Disease                       | 95.6        |
| Obesity                                      | 56.2        |
| Pedestrian Injuries                          | 53.3        |
| Physical Health Not Good                     | 67.2        |
| Stroke                                       | 91.3        |
| Health Risk Behaviors                        | —           |

|                                       |      |
|---------------------------------------|------|
| Binge Drinking                        | 13.6 |
| Current Smoker                        | 36.3 |
| No Leisure Time for Physical Activity | 67.1 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 7.3  |
| Elderly                               | 81.9 |
| English Speaking                      | 84.0 |
| Foreign-born                          | 37.0 |
| Outdoor Workers                       | 85.1 |
| Climate Change Adaptive Capacity      | —    |
| Impervious Surface Cover              | 69.4 |
| Traffic Density                       | 74.6 |
| Traffic Access                        | 23.0 |
| Other Indices                         | —    |
| Hardship                              | 54.2 |
| Other Decision Support                | —    |
| 2016 Voting                           | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 72.0                            |
| Healthy Places Index Score for Project Location (b)                                 | 32.0                            |
| 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

| Screen                               | Justification    |
|--------------------------------------|------------------|
| Land Use                             | Client provided  |
| Construction: Construction Phases    | Client provided. |
| Construction: Off-Road Equipment     | Default          |
| Construction: Architectural Coatings | SCAQMD 1113      |
| Operations: Vehicle Data             | Traffic Study    |
| Operations: Energy Use               | Utility on site. |
| Operations: Architectural Coatings   | SCAQMD 1113      |

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## **APPENDIX D2.4**

### **Phase 4 CalEEMod With Mitigation**

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# 7214\_Redlands – Kaiser Permanente Medical Center- Phase 4 v2 Detailed Report

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4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

### 5. Activity Data

## 5.1. Construction Schedule

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

### 5.2.2. Mitigated

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

### 5.3.2. Mitigated

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

## 5.5. Architectural Coatings

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

### 5.6.2. Construction Earthmoving Control Strategies

## 5.7. Construction Paving

## 5.8. Construction Electricity Consumption and Emissions Factors

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

### 5.9.2. Mitigated

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

### 5.10.3. Landscape Equipment

### 5.10.4. Landscape Equipment - Mitigated

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

### 5.11.2. Mitigated

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

### 5.12.2. Mitigated

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

### 5.13.2. Mitigated

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

### 6.2. Initial Climate Risk Scores

### 6.3. Adjusted Climate Risk Scores

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

### 7.2. Healthy Places Index Scores

### 7.3. Overall Health & Equity Scores

### 7.4. Health & Equity Measures

### 7.5. Evaluation Scorecard

### 7.6. Health & Equity Custom Measures

## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                        |
|-----------------------------|--------------------------------------------------------------|
| Project Name                | 7214_Redlands – Kaiser Permanente Medical Center- Phase 4 v2 |
| Construction Start Date     | 11/1/2047                                                    |
| Operational Year            | 2050                                                         |
| Lead Agency                 | —                                                            |
| Land Use Scale              | Project/site                                                 |
| Analysis Level for Defaults | County                                                       |
| Windspeed (m/s)             | 2.50                                                         |
| Precipitation (days)        | 24.0                                                         |
| Location                    | 34.07231170887854, -117.22884775664832                       |
| County                      | San Bernardino-South Coast                                   |
| City                        | Redlands                                                     |
| Air District                | South Coast AQMD                                             |
| Air Basin                   | South Coast                                                  |
| TAZ                         | 5394                                                         |
| EDFZ                        | 10                                                           |
| Electric Utility            | Southern California Edison                                   |
| Gas Utility                 | Southern California Gas                                      |
| App Version                 | 2022.1.1.29                                                  |

## 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 |
|------------------|------|------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Hospital         | 108  | Bed  | 0.69        | 180,000               | 563,000                | —                              | —          | —           |

|             |     |       |      |      |      |   |   |                         |
|-------------|-----|-------|------|------|------|---|---|-------------------------|
| Parking Lot | 249 | Space | 2.24 | 0.00 | 0.00 | — | — | Parking +parking excess |
|-------------|-----|-------|------|------|------|---|---|-------------------------|

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

| Sector         | #     | Measure Title                                                                  |
|----------------|-------|--------------------------------------------------------------------------------|
| Construction   | C-9   | Use Dust Suppressants                                                          |
| Construction   | C-13  | Use Low-VOC Paints for Construction                                            |
| Transportation | T-11* | Provide Employer-Sponsored Vanpool                                             |
| Transportation | T-14* | Provide Electric Vehicle Charging Infrastructure                               |
| Area Sources   | AS-1  | Use Low-VOC Cleaning Supplies                                                  |
| Area Sources   | LL-1  | Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment |
| Area Sources   | AS-2  | Use Low-VOC Paints                                                             |

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

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Unmit.              | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15 | 3,405 |
| Mit.                | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15 | 3,405 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |



|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |         |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|---------|-------|
| Unmit.              | 24.7 | 24.7 | 7.28 | 12.1 | 0.03    | 0.16 | 2.89 | 3.05 | 0.15 | 1.37 | 1.52 | — | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| Mit.                | 24.7 | 24.7 | 7.28 | 12.1 | 0.03    | 0.16 | 2.89 | 3.05 | 0.15 | 1.37 | 1.52 | — | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Average Daily (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Unmit.              | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.08 | 0.78 | 0.86 | 0.07 | 0.25 | 0.32 | — | 2,097 | 2,097 | 0.07 | 0.07 | 0.04    | 2,118 |
| Mit.                | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.08 | 0.78 | 0.86 | 0.07 | 0.25 | 0.32 | — | 2,097 | 2,097 | 0.07 | 0.07 | 0.04    | 2,118 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Annual (Max)        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |
| Unmit.              | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01 | 0.14 | 0.16 | 0.01 | 0.05 | 0.06 | — | 347   | 347   | 0.01 | 0.01 | 0.01    | 351   |
| Mit.                | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01 | 0.14 | 0.16 | 0.01 | 0.05 | 0.06 | — | 347   | 347   | 0.01 | 0.01 | 0.01    | 351   |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —       | —     |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2048                 | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15    | 3,405 |
| 2049                 | 1.09 | 0.91 | 7.21 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,366 | 3,366 | 0.11 | 0.10 | 0.13    | 3,400 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2047                 | 0.85 | 0.71 | 3.56 | 9.39 | 0.03 | 0.13  | 0.72  | 0.85  | 0.12   | 0.09   | 0.21   | —    | 2,792 | 2,792 | 0.11 | 0.02 | < 0.005 | 2,801 |
| 2048                 | 1.10 | 0.91 | 7.28 | 12.1 | 0.03 | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| 2049                 | 24.7 | 24.7 | 7.25 | 12.1 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,315 | 3,315 | 0.11 | 0.11 | < 0.005 | 3,349 |

|               |      |      |      |      |         |         |         |      |         |         |         |   |       |       |         |         |         |       |
|---------------|------|------|------|------|---------|---------|---------|------|---------|---------|---------|---|-------|-------|---------|---------|---------|-------|
| 2050          | 24.7 | 24.7 | 4.39 | 8.32 | 0.01    | 0.06    | 0.20    | 0.26 | 0.06    | 0.05    | 0.10    | — | 1,397 | 1,397 | 0.05    | 0.01    | < 0.005 | 1,401 |
| Average Daily | —    | —    | —    | —    | —       | —       | —       | —    | —       | —       | —       | — | —     | —     | —       | —       | —       | —     |
| 2047          | 0.10 | 0.09 | 0.42 | 1.12 | < 0.005 | 0.02    | 0.09    | 0.10 | 0.01    | 0.01    | 0.03    | — | 333   | 333   | 0.01    | < 0.005 | < 0.005 | 335   |
| 2048          | 0.69 | 0.57 | 4.46 | 7.57 | 0.02    | 0.08    | 0.78    | 0.86 | 0.07    | 0.25    | 0.32    | — | 2,040 | 2,040 | 0.07    | 0.06    | 0.04    | 2,060 |
| 2049          | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.07    | 0.63    | 0.70 | 0.06    | 0.15    | 0.22    | — | 2,097 | 2,097 | 0.07    | 0.07    | 0.03    | 2,118 |
| 2050          | 0.22 | 0.21 | 0.53 | 1.01 | < 0.005 | 0.01    | 0.02    | 0.03 | 0.01    | 0.01    | 0.01    | — | 170   | 170   | 0.01    | < 0.005 | < 0.005 | 171   |
| Annual        | —    | —    | —    | —    | —       | —       | —       | —    | —       | —       | —       | — | —     | —     | —       | —       | —       | —     |
| 2047          | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | < 0.005 | — | 55.2  | 55.2  | < 0.005 | < 0.005 | < 0.005 | 55.4  |
| 2048          | 0.13 | 0.10 | 0.81 | 1.38 | < 0.005 | 0.01    | 0.14    | 0.16 | 0.01    | 0.05    | 0.06    | — | 338   | 338   | 0.01    | 0.01    | 0.01    | 341   |
| 2049          | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01    | 0.12    | 0.13 | 0.01    | 0.03    | 0.04    | — | 347   | 347   | 0.01    | 0.01    | 0.01    | 351   |
| 2050          | 0.04 | 0.04 | 0.10 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.2  | 28.2  | < 0.005 | < 0.005 | < 0.005 | 28.3  |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R       | CO2e  |
|----------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2048                 | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15    | 3,405 |
| 2049                 | 1.09 | 0.91 | 7.21 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,366 | 3,366 | 0.11 | 0.10 | 0.13    | 3,400 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| 2047                 | 0.85 | 0.71 | 3.56 | 9.39 | 0.03 | 0.13  | 0.72  | 0.85  | 0.12   | 0.09   | 0.21   | —    | 2,792 | 2,792 | 0.11 | 0.02 | < 0.005 | 2,801 |
| 2048                 | 1.10 | 0.91 | 7.28 | 12.1 | 0.03 | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| 2049                 | 24.7 | 24.7 | 7.25 | 12.1 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,315 | 3,315 | 0.11 | 0.11 | < 0.005 | 3,349 |
| 2050                 | 24.7 | 24.7 | 4.39 | 8.32 | 0.01 | 0.06  | 0.20  | 0.26  | 0.06   | 0.05   | 0.10   | —    | 1,397 | 1,397 | 0.05 | 0.01 | < 0.005 | 1,401 |
| Average Daily        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |

|        |      |      |      |      |         |         |         |      |         |         |         |   |       |       |         |         |         |       |
|--------|------|------|------|------|---------|---------|---------|------|---------|---------|---------|---|-------|-------|---------|---------|---------|-------|
| 2047   | 0.10 | 0.09 | 0.42 | 1.12 | < 0.005 | 0.02    | 0.09    | 0.10 | 0.01    | 0.01    | 0.03    | — | 333   | 333   | 0.01    | < 0.005 | < 0.005 | 335   |
| 2048   | 0.69 | 0.57 | 4.46 | 7.57 | 0.02    | 0.08    | 0.78    | 0.86 | 0.07    | 0.25    | 0.32    | — | 2,040 | 2,040 | 0.07    | 0.06    | 0.04    | 2,060 |
| 2049   | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.07    | 0.63    | 0.70 | 0.06    | 0.15    | 0.22    | — | 2,097 | 2,097 | 0.07    | 0.07    | 0.03    | 2,118 |
| 2050   | 0.22 | 0.21 | 0.53 | 1.01 | < 0.005 | 0.01    | 0.02    | 0.03 | 0.01    | 0.01    | 0.01    | — | 170   | 170   | 0.01    | < 0.005 | < 0.005 | 171   |
| Annual | —    | —    | —    | —    | —       | —       | —       | —    | —       | —       | —       | — | —     | —     | —       | —       | —       | —     |
| 2047   | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | < 0.005 | — | 55.2  | 55.2  | < 0.005 | < 0.005 | < 0.005 | 55.4  |
| 2048   | 0.13 | 0.10 | 0.81 | 1.38 | < 0.005 | 0.01    | 0.14    | 0.16 | 0.01    | 0.05    | 0.06    | — | 338   | 338   | 0.01    | 0.01    | 0.01    | 341   |
| 2049   | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01    | 0.12    | 0.13 | 0.01    | 0.03    | 0.04    | — | 347   | 347   | 0.01    | 0.01    | 0.01    | 351   |
| 2050   | 0.04 | 0.04 | 0.10 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.2  | 28.2  | < 0.005 | < 0.005 | < 0.005 | 28.3  |

## 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.              | 10.8 | 10.2 | 6.51 | 56.8 | 0.17 | 0.11  | 16.6  | 16.7   | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3 | 0.69 | 2.14 | 16,369 |
| Mit.                | 9.13 | 8.60 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7   | 0.09   | 4.23   | 4.32   | 189  | 15,464 | 15,653 | 19.3 | 0.69 | 2.14 | 16,344 |
| % Reduced           | 16%  | 15%  | 1%   | 14%  | —    | 13%   | —     | < 0.5% | 11%    | —      | < 0.5% | —    | < 0.5% | < 0.5% | —    | —    | —    | < 0.5% |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.93 | 8.51 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4   | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3 | 0.71 | 0.33 | 15,372 |
| Mit.                | 8.64 | 8.22 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4   | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3 | 0.71 | 0.33 | 15,372 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —     | —     | —      | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.91 | 8.50 | 3.68 | 38.4 | 0.11 | 0.06  | 13.0  | 13.1   | 0.05   | 3.30   | 3.36   | 189  | 11,867 | 12,056 | 19.3 | 0.58 | 0.93 | 12,712 |

|              |      |      |      |      |        |      |      |        |      |      |        |      |        |        |        |        |      |        |
|--------------|------|------|------|------|--------|------|------|--------|------|------|--------|------|--------|--------|--------|--------|------|--------|
| Mit.         | 7.66 | 7.33 | 3.63 | 33.1 | 0.11   | 0.05 | 13.0 | 13.1   | 0.05 | 3.30 | 3.35   | 189  | 11,850 | 12,039 | 19.3   | 0.58   | 0.93 | 12,695 |
| % Reduced    | 14%  | 14%  | 1%   | 14%  | —      | 16%  | —    | < 0.5% | 13%  | —    | < 0.5% | —    | < 0.5% | < 0.5% | —      | —      | —    | < 0.5% |
| Annual (Max) | —    | —    | —    | —    | —      | —    | —    | —      | —    | —    | —      | —    | —      | —      | —      | —      | —    | —      |
| Unmit.       | 1.63 | 1.55 | 0.67 | 7.01 | 0.02   | 0.01 | 2.38 | 2.39   | 0.01 | 0.60 | 0.61   | 31.2 | 1,965  | 1,996  | 3.19   | 0.10   | 0.15 | 2,105  |
| Mit.         | 1.40 | 1.34 | 0.66 | 6.03 | 0.02   | 0.01 | 2.38 | 2.38   | 0.01 | 0.60 | 0.61   | 31.2 | 1,962  | 1,993  | 3.19   | 0.10   | 0.15 | 2,102  |
| % Reduced    | 14%  | 14%  | 1%   | 14%  | < 0.5% | 16%  | —    | < 0.5% | 13%  | —    | < 0.5% | —    | < 0.5% | < 0.5% | < 0.5% | < 0.5% | —    | < 0.5% |

## 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              | 5.32 | 4.79 | 6.45 | 48.9 | 0.17    | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42    | 0.64    | 1.85 | 15,495 |
| Area                | 5.49 | 5.38 | 0.07 | 7.83 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 32.2   | 32.2   | < 0.005 | < 0.005 | —    | 32.3   |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 10.8 | 10.2 | 6.51 | 56.8 | 0.17    | 0.11  | 16.6  | 16.7  | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3    | 0.69    | 2.14 | 16,369 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.83 | 4.41 | 4.47 | 39.6 | 0.14    | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43    | 0.66    | 0.05 | 14,531 |
| Area                | 4.10 | 4.10 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 8.93 | 8.51 | 4.47 | 39.6 | 0.14    | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3    | 0.71    | 0.33 | 15,372 |

|               |      |      |      |      |         |         |      |         |         |      |         |      |        |        |         |         |      |        |
|---------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Average Daily | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 3.86 | 3.52 | 3.63 | 33.1 | 0.11    | 0.05    | 13.0 | 13.1    | 0.05    | 3.30 | 3.35    | —    | 11,679 | 11,679 | 0.35    | 0.54    | 0.65 | 11,849 |
| Area          | 5.05 | 4.98 | 0.05 | 5.36 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | —    | 22.0   | 22.0   | < 0.005 | < 0.005 | —    | 22.1   |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total         | 8.91 | 8.50 | 3.68 | 38.4 | 0.11    | 0.06    | 13.0 | 13.1    | 0.05    | 3.30 | 3.36    | 189  | 11,867 | 12,056 | 19.3    | 0.58    | 0.93 | 12,712 |
| Annual        | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 0.70 | 0.64 | 0.66 | 6.03 | 0.02    | 0.01    | 2.38 | 2.38    | 0.01    | 0.60 | 0.61    | —    | 1,934  | 1,934  | 0.06    | 0.09    | 0.11 | 1,962  |
| Area          | 0.92 | 0.91 | 0.01 | 0.98 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —    | 3.65   | 3.65   | < 0.005 | < 0.005 | —    | 3.66   |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 3.08 | 27.5   | 30.6   | 0.32    | 0.01    | —    | 40.8   |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 28.1 | 0.00   | 28.1   | 2.81    | 0.00    | —    | 98.4   |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.05 | 0.05   |
| Total         | 1.63 | 1.55 | 0.67 | 7.01 | 0.02    | 0.01    | 2.38 | 2.39    | 0.01    | 0.60 | 0.61    | 31.2 | 1,965  | 1,996  | 3.19    | 0.10    | 0.15 | 2,105  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42    | 0.64    | 1.85 | 15,495 |
| Area                | 3.81 | 3.81 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | 7.36   | 7.36   | < 0.005 | < 0.005 | —    | 7.38   |
| Water               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 9.13 | 8.60 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | 189  | 15,464 | 15,653 | 19.3    | 0.69    | 2.14 | 16,344 |

|                     |      |      |      |      |      |      |      |      |      |      |      |      |        |        |         |         |      |        |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|---------|---------|------|--------|
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06 | 16.4 | 16.4 | 0.06 | 4.16 | 4.22 | —    | 14,322 | 14,322 | 0.43    | 0.66    | 0.05 | 14,531 |
| Area                | 3.81 | 3.81 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 8.64 | 8.22 | 4.47 | 39.6 | 0.14 | 0.06 | 16.4 | 16.4 | 0.06 | 4.16 | 4.22 | 189  | 14,489 | 14,677 | 19.3    | 0.71    | 0.33 | 15,372 |
| Average Daily       | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 3.86 | 3.52 | 3.63 | 33.1 | 0.11 | 0.05 | 13.0 | 13.1 | 0.05 | 3.30 | 3.35 | —    | 11,679 | 11,679 | 0.35    | 0.54    | 0.65 | 11,849 |
| Area                | 3.81 | 3.81 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 5.04   | 5.04   | < 0.005 | < 0.005 | —    | 5.06   |
| Water               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 7.66 | 7.33 | 3.63 | 33.1 | 0.11 | 0.05 | 13.0 | 13.1 | 0.05 | 3.30 | 3.35 | 189  | 11,850 | 12,039 | 19.3    | 0.58    | 0.93 | 12,695 |
| Annual              | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01 | 2.38 | 2.38 | 0.01 | 0.60 | 0.61 | —    | 1,934  | 1,934  | 0.06    | 0.09    | 0.11 | 1,962  |
| Area                | 0.69 | 0.69 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Energy              | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 0.83   | 0.83   | < 0.005 | < 0.005 | —    | 0.84   |
| Water               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 3.08 | 27.5   | 30.6   | 0.32    | 0.01    | —    | 40.8   |
| Waste               | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 28.1 | 0.00   | 28.1   | 2.81    | 0.00    | —    | 98.4   |
| Refrig.             | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.05 | 0.05   |
| Total               | 1.40 | 1.34 | 0.66 | 6.03 | 0.02 | 0.01 | 2.38 | 2.38 | 0.01 | 0.60 | 0.61 | 31.2 | 1,962  | 1,993  | 3.19    | 0.10    | 0.15 | 2,102  |

### 3. Construction Emissions Details

### 3.1. Site Preparation (2047) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.84 | 0.71 | 3.55 | 9.22 | 0.03    | 0.13  | —     | 0.13  | 0.12   | —      | 0.12   | —    | 2,715 | 2,715 | 0.11 | 0.02    | —    | 2,724 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.62  | 0.62  | —      | 0.07   | 0.07   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.42 | 1.10 | < 0.005 | 0.02  | —     | 0.02  | 0.01   | —      | 0.01   | —    | 324   | 324   | 0.01 | < 0.005 | —    | 325   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.07  | 0.07  | —      | 0.01   | 0.01   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment          | 0.02    | 0.02    | 0.08    | 0.20    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 53.7 | 53.7 | < 0.005 | < 0.005 | —       | 53.8 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.17    | 0.00    | 0.00    | 0.10    | 0.10    | 0.00    | 0.02    | 0.02    | — | 77.1 | 77.1 | < 0.005 | < 0.005 | < 0.005 | 77.3 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 9.33 | 9.33 | < 0.005 | < 0.005 | < 0.005 | 9.35 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.54 | 1.54 | < 0.005 | < 0.005 | < 0.005 | 1.55 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.2. Site Preparation (2047) - Mitigated

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



| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.84 | 0.71 | 3.55 | 9.22 | 0.03    | 0.13    | —     | 0.13    | 0.12    | —      | 0.12    | —    | 2,715 | 2,715 | 0.11    | 0.02    | —    | 2,724 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.62  | 0.62    | —       | 0.07   | 0.07    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.42 | 1.10 | < 0.005 | 0.02    | —     | 0.02    | 0.01    | —      | 0.01    | —    | 324   | 324   | 0.01    | < 0.005 | —    | 325   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.07  | 0.07    | —       | 0.01   | 0.01    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 53.7  | 53.7  | < 0.005 | < 0.005 | —    | 53.8  |

|                             |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —    | —    | 0.01    | 0.01    | —    | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.17    | 0.00 | 0.00 | 0.10    | 0.10    | 0.00 | 0.02    | 0.02    | — | 77.1 | 77.1 | < 0.005 | < 0.005 | < 0.005 | 77.3 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 9.33 | 9.33 | < 0.005 | < 0.005 | < 0.005 | 9.35 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.54 | 1.54 | < 0.005 | < 0.005 | < 0.005 | 1.55 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.3. Site Preparation (2048) - Unmitigated

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

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

|                             |         |         |         |         |         |         |         |         |         |         |         |   |       |       |         |         |      |       |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.82    | 0.69    | 3.39    | 9.07    | 0.03    | 0.12    | —       | 0.12    | 0.11    | —       | 0.11    | — | 2,715 | 2,715 | 0.11    | 0.02    | —    | 2,724 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.62    | 0.62    | —       | 0.07    | 0.07    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.31  | 5.31  | < 0.005 | < 0.005 | —    | 5.33  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.88  | 0.88  | < 0.005 | < 0.005 | —    | 0.88  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17    | 0.00 | 0.00 | 0.10    | 0.10    | 0.00 | 0.02    | 0.02    | — | 77.0 | 77.0 | < 0.005 | < 0.005 | < 0.005 | 77.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | < 0.005 | 0.15 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.03 | 0.03 | < 0.005 | < 0.005 | < 0.005 | 0.03 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2048) - Mitigated

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

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

|                             |         |         |         |         |         |         |         |         |         |         |         |   |       |       |         |         |      |       |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment          | 0.82    | 0.69    | 3.39    | 9.07    | 0.03    | 0.12    | —       | 0.12    | 0.11    | —       | 0.11    | — | 2,715 | 2,715 | 0.11    | 0.02    | —    | 2,724 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.62    | 0.62    | —       | 0.07    | 0.07    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.31  | 5.31  | < 0.005 | < 0.005 | —    | 5.33  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.88  | 0.88  | < 0.005 | < 0.005 | —    | 0.88  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17    | 0.00 | 0.00 | 0.10    | 0.10    | 0.00 | 0.02    | 0.02    | — | 77.0 | 77.0 | < 0.005 | < 0.005 | < 0.005 | 77.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | < 0.005 | 0.15 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.03 | 0.03 | < 0.005 | < 0.005 | < 0.005 | 0.03 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Fine Grading (2048) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 0.97 | 0.81 | 4.99 | 9.93 | 0.02 | 0.16  | —     | 0.16  | 0.15   | —      | 0.15   | —    | 2,454 | 2,454 | 0.10 | 0.02 | — | 2,463 |

|                             |      |      |      |      |         |         |      |         |         |      |         |   |      |      |         |         |         |      |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76 | 2.76    | —       | 1.34 | 1.34    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.08 | 0.07 | 0.42 | 0.84 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 208  | 208  | 0.01    | < 0.005 | —       | 209  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.23 | 0.23    | —       | 0.11 | 0.11    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02 | 0.01 | 0.08 | 0.15 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 34.5 | 34.5 | < 0.005 | < 0.005 | —       | 34.6 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.04 | 0.04    | —       | 0.02 | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01 | 0.01 | 0.01 | 0.23 | 0.00    | 0.00    | 0.13 | 0.13    | 0.00    | 0.03 | 0.03    | — | 103  | 103  | < 0.005 | < 0.005 | < 0.005 | 103  |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 8.84 | 8.84 | < 0.005 | < 0.005 | < 0.005 | 8.85 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.46 | 1.46 | < 0.005 | < 0.005 | < 0.005 | 1.47 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.6. Fine Grading (2048) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 0.97 | 0.81 | 4.99 | 9.93 | 0.02 | 0.16  | —     | 0.16  | 0.15   | —      | 0.15   | —    | 2,454 | 2,454 | 0.10 | 0.02 | —    | 2,463 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 2.76  | 2.76  | —      | 1.34   | 1.34   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |



|                             |         |         |         |      |         |         |      |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|---------|------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily               | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.08    | 0.07    | 0.42    | 0.84 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —       | 0.01    | — | 208  | 208  | 0.01    | < 0.005 | —       | 209  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —       | 0.23 | 0.23    | —       | 0.11    | 0.11    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02    | 0.01    | 0.08    | 0.15 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 34.5 | 34.5 | < 0.005 | < 0.005 | —       | 34.6 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —       | 0.04 | 0.04    | —       | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.23 | 0.00    | 0.00    | 0.13 | 0.13    | 0.00    | 0.03    | 0.03    | — | 103  | 103  | < 0.005 | < 0.005 | < 0.005 | 103  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00    | 0.00    | 0.01 | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 8.84 | 8.84 | < 0.005 | < 0.005 | < 0.005 | 8.85 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.46 | 1.46 | < 0.005 | < 0.005 | < 0.005 | 1.47 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building Construction (2048) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |         |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|---------|-------|
| Off-Road Equipment  | 0.54 | 0.45 | 3.59 | 5.68 | 0.01    | 0.06    | —    | 0.06 | 0.05    | —    | 0.05 | — | 1,189 | 1,189 | 0.05    | 0.01    | —       | 1,193 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.10 | 0.08 | 0.66 | 1.04 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 197   | 197   | 0.01    | < 0.005 | —       | 197   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.74 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 643   | 643   | < 0.005 | < 0.005 | 0.11    | 644   |
| Vendor              | 0.03 | 0.02 | 0.53 | 0.28 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 527   | 527   | 0.01    | 0.08    | 0.04    | 552   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 591   | 591   | < 0.005 | < 0.005 | < 0.005 | 592   |
| Vendor              | 0.03 | 0.02 | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 528   | 528   | 0.01    | 0.08    | < 0.005 | 553   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.04 | 0.04 | 0.04 | 0.74 | 0.00    | 0.00    | 0.40 | 0.40 | 0.00    | 0.09 | 0.09 | — | 324   | 324   | < 0.005 | < 0.005 | 0.03    | 324   |
| Vendor              | 0.02 | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.13 | 0.14 | < 0.005 | 0.04 | 0.04 | — | 285   | 285   | 0.01    | 0.05    | 0.01    | 298   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.01 | 0.01 | 0.01 | 0.14 | 0.00    | 0.00    | 0.07 | 0.07 | 0.00    | 0.02 | 0.02 | — | 53.6  | 53.6  | < 0.005 | < 0.005 | < 0.005 | 53.7  |

|         |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |      |         |      |
|---------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|------|---------|------|
| Vendor  | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 47.1 | 47.1 | < 0.005 | 0.01 | < 0.005 | 49.4 |
| Hauling | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | 0.00 |

### 3.8. Building Construction (2048) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.54 | 0.45 | 3.59 | 5.68 | 0.01 | 0.06  | —     | 0.06  | 0.05   | —      | 0.05   | —    | 1,189 | 1,189 | 0.05 | 0.01 | —    | 1,193 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.10    | 0.08    | 0.66 | 1.04 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 197  | 197  | 0.01    | < 0.005 | —       | 197  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.74 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 643  | 643  | < 0.005 | < 0.005 | 0.11    | 644  |
| Vendor              | 0.03    | 0.02    | 0.53 | 0.28 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 527  | 527  | 0.01    | 0.08    | 0.04    | 552  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 591  | 591  | < 0.005 | < 0.005 | < 0.005 | 592  |
| Vendor              | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 528  | 528  | 0.01    | 0.08    | < 0.005 | 553  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.04 | 0.74 | 0.00    | 0.00    | 0.40 | 0.40 | 0.00    | 0.09 | 0.09 | — | 324  | 324  | < 0.005 | < 0.005 | 0.03    | 324  |
| Vendor              | 0.02    | 0.01    | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.13 | 0.14 | < 0.005 | 0.04 | 0.04 | — | 285  | 285  | 0.01    | 0.05    | 0.01    | 298  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01 | 0.14 | 0.00    | 0.00    | 0.07 | 0.07 | 0.00    | 0.02 | 0.02 | — | 53.6 | 53.6 | < 0.005 | < 0.005 | < 0.005 | 53.7 |
| Vendor              | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 47.1 | 47.1 | < 0.005 | 0.01    | < 0.005 | 49.4 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2049) - Unmitigated

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

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

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02    | 0.10 | —    | 0.10 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09 | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02    | 0.10 | —    | 0.10 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09 | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.62 | 0.51 | 4.13 | 6.55 | 0.01    | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | — | 1,374 | 1,374 | 0.06 | 0.01    | —    | 1,379 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.11 | 0.09 | 0.75 | 1.20 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 227   | 227   | 0.01 | < 0.005 | —    | 228   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Worker              | 0.07    | 0.07    | 0.07 | 1.74 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 642  | 642  | < 0.005 | < 0.005 | 0.09    | 643  |
| Vendor              | 0.03    | 0.02    | 0.53 | 0.28 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 523  | 523  | 0.01    | 0.08    | 0.03    | 548  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 590  | 590  | < 0.005 | < 0.005 | < 0.005 | 591  |
| Vendor              | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 524  | 524  | 0.01    | 0.08    | < 0.005 | 549  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.05    | 0.04    | 0.04 | 0.86 | 0.00    | 0.00    | 0.46 | 0.46 | 0.00    | 0.11 | 0.11 | — | 373  | 373  | < 0.005 | < 0.005 | 0.02    | 374  |
| Vendor              | 0.02    | 0.01    | 0.35 | 0.18 | < 0.005 | < 0.005 | 0.16 | 0.16 | < 0.005 | 0.04 | 0.05 | — | 327  | 327  | 0.01    | 0.05    | 0.01    | 343  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01 | 0.16 | 0.00    | 0.00    | 0.08 | 0.08 | 0.00    | 0.02 | 0.02 | — | 61.8 | 61.8 | < 0.005 | < 0.005 | < 0.005 | 62.0 |
| Vendor              | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 54.1 | 54.1 | < 0.005 | 0.01    | < 0.005 | 56.7 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.10. Building Construction (2049) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02 | 0.10  | —     | 0.10  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | — | 2,209 |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipm ent | 0.99 | 0.82 | 6.62 | 10.5 | 0.02    | 0.10 | —    | 0.10 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09    | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipm ent | 0.62 | 0.51 | 4.13 | 6.55 | 0.01    | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | — | 1,374 | 1,374 | 0.06    | 0.01    | —    | 1,379 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipm ent | 0.11 | 0.09 | 0.75 | 1.20 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 227   | 227   | 0.01    | < 0.005 | —    | 228   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.74 | 0.00    | 0.00 | 0.75 | 0.75 | 0.00 | 0.18 | 0.18 | — | 642   | 642   | < 0.005 | < 0.005 | 0.09 | 643   |
| Vendor              | 0.03 | 0.02 | 0.53 | 0.28 | 0.01    | 0.01 | 0.25 | 0.26 | 0.01 | 0.07 | 0.08 | — | 523   | 523   | 0.01    | 0.08    | 0.03 | 548   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |



|               |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Worker        | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 590  | 590  | < 0.005 | < 0.005 | < 0.005 | 591  |
| Vendor        | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 524  | 524  | 0.01    | 0.08    | < 0.005 | 549  |
| Hauling       | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker        | 0.05    | 0.04    | 0.04 | 0.86 | 0.00    | 0.00    | 0.46 | 0.46 | 0.00    | 0.11 | 0.11 | — | 373  | 373  | < 0.005 | < 0.005 | 0.02    | 374  |
| Vendor        | 0.02    | 0.01    | 0.35 | 0.18 | < 0.005 | < 0.005 | 0.16 | 0.16 | < 0.005 | 0.04 | 0.05 | — | 327  | 327  | 0.01    | 0.05    | 0.01    | 343  |
| Hauling       | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker        | 0.01    | 0.01    | 0.01 | 0.16 | 0.00    | 0.00    | 0.08 | 0.08 | 0.00    | 0.02 | 0.02 | — | 61.8 | 61.8 | < 0.005 | < 0.005 | < 0.005 | 62.0 |
| Vendor        | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 54.1 | 54.1 | < 0.005 | 0.01    | < 0.005 | 56.7 |
| Hauling       | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.11. Paving+Landscaping (2050) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.48 | 0.40 | 4.37 | 7.98 | 0.01 | 0.06  | —     | 0.06  | 0.06   | —      | 0.06   | —    | 1,243 | 1,243 | 0.05 | 0.01 | —    | 1,248 |
| Paving              | 0.13 | 0.13 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.06    | 0.05    | 0.53    | 0.96 | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 150  | 150  | 0.01    | < 0.005 | —       | 150  |
| Paving              | 0.02    | 0.02    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10    | 0.18 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 24.8 | 24.8 | < 0.005 | < 0.005 | —       | 24.9 |
| Paving              | < 0.005 | < 0.005 | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.34 | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 154  | 154  | < 0.005 | < 0.005 | < 0.005 | 154  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.02    | 0.02    | 0.00    | 0.01    | 0.01    | — | 18.8 | 18.8 | < 0.005 | < 0.005 | < 0.005 | 18.8 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 3.11 | 3.11 | < 0.005 | < 0.005 | < 0.005 | 3.11 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.12. Paving+Landscaping (2050) - Mitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.48    | 0.40    | 4.37 | 7.98 | 0.01    | 0.06    | —     | 0.06    | 0.06    | —      | 0.06    | —    | 1,243 | 1,243 | 0.05    | 0.01    | —    | 1,248 |
| Paving              | 0.13    | 0.13    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.06    | 0.05    | 0.53 | 0.96 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 150   | 150   | 0.01    | < 0.005 | —    | 150   |
| Paving              | 0.02    | 0.02    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.18 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 24.8  | 24.8  | < 0.005 | < 0.005 | —    | 24.9  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Offsite             | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.34 | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 154  | 154  | < 0.005 | < 0.005 | < 0.005 | 154  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02    | 0.02    | 0.00 | 0.01    | 0.01    | — | 18.8 | 18.8 | < 0.005 | < 0.005 | < 0.005 | 18.8 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.11 | 3.11 | < 0.005 | < 0.005 | < 0.005 | 3.11 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.13. Architectural Coating (2049) - Unmitigated

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

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

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Off-Road Equipm        | 0.11    | 0.09    | 0.74 | 1.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6    | 24.6    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.07 | 0.10 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 12.0 | 12.0 | < 0.005 | < 0.005 | —    | 12.1 |
| Architectural Coatings | 2.22    | 2.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.99 | 1.99 | < 0.005 | < 0.005 | —    | 2.00 |
| Architectural Coatings | 0.40    | 0.40    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.26    | 0.00 | 0.00 | 0.15    | 0.15    | 0.00 | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | < 0.005 | 10.8 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.78 | 1.78 | < 0.005 | < 0.005 | < 0.005 | 1.79 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.14. Architectural Coating (2049) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|---|------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | — | 134  |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Architectural Coating  | 24.6    | 24.6    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.07 | 0.10 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 12.0 | 12.0 | < 0.005 | < 0.005 | —       | 12.1 |
| Architectural Coatings | 2.22    | 2.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.99 | 1.99 | < 0.005 | < 0.005 | —       | 2.00 |
| Architectural Coatings | 0.40    | 0.40    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01 | 0.26 | 0.00    | 0.00    | 0.15 | 0.15    | 0.00    | 0.04 | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | < 0.005 | 10.8 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.78 | 1.78 | < 0.005 | < 0.005 | < 0.005 | 1.79 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.15. Architectural Coating (2050) - Unmitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6 | 24.6 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |



|                        |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | 0.01    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.78 | 0.78 | < 0.005 | < 0.005 | —       | 0.79 |
| Architectural Coatings | 0.14    | 0.14    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.13 | 0.13 | < 0.005 | < 0.005 | —       | 0.13 |
| Architectural Coatings | 0.03    | 0.03    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01    | 0.26    | 0.00    | 0.00    | 0.15    | 0.15    | 0.00    | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.70 | 0.70 | < 0.005 | < 0.005 | < 0.005 | 0.70 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.12 | 0.12 | < 0.005 | < 0.005 | < 0.005 | 0.12 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Architectural Coating (2050) - Mitigated

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

| Location               | TOG     | ROG     | NOx     | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|------------------------|---------|---------|---------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite                 | —       | —       | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —       | —       | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11    | 0.09    | 0.74    | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6    | 24.6    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 0.78  | 0.78 | < 0.005 | < 0.005 | —    | 0.79 |
| Architectural Coatings | 0.14    | 0.14    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |

|                        |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.13 | 0.13 | < 0.005 | < 0.005 | —       | 0.13 |
| Architectural Coatings | 0.03    | 0.03    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01    | 0.26    | 0.00    | 0.00    | 0.15    | 0.15    | 0.00    | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.70 | 0.70 | < 0.005 | < 0.005 | < 0.005 | 0.70 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.12 | 0.12 | < 0.005 | < 0.005 | < 0.005 | 0.12 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.17. Utilities Trenching and Installation (2048) - Unmitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.10    | 0.09    | 1.06 | 1.31 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09 | 0.12 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 18.2  | 18.2 | < 0.005 | < 0.005 | —    | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 3.01  | 3.01 | < 0.005 | < 0.005 | —    | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 25.7 | 25.7 | < 0.005 | < 0.005 | < 0.005 | 25.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.28 | 2.28 | < 0.005 | < 0.005 | < 0.005 | 2.28 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.38 | 0.38 | < 0.005 | < 0.005 | < 0.005 | 0.38 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.18. Utilities Trenching and Installation (2048) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|------|------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment  | 0.10 | 0.09 | 1.06 | 1.31 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 207   | 207  | 0.01 | < 0.005 | —    | 208  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09    | 0.12    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 18.2 | 18.2 | < 0.005 | < 0.005 | —       | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 3.01 | 3.01 | < 0.005 | < 0.005 | —       | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.7 | 25.7 | < 0.005 | < 0.005 | < 0.005 | 25.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.28 | 2.28 | < 0.005 | < 0.005 | < 0.005 | 2.28 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.38 | 0.38 | < 0.005 | < 0.005 | < 0.005 | 0.38 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Annual              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |

#### 4.1.2. Mitigated

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

| Land Use            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Annual              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |



|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 7.36  | 7.36 | < 0.005 | < 0.005 | — | 7.38 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.00  | 0.00 | 0.00    | 0.00    | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 7.36  | 7.36 | < 0.005 | < 0.005 | — | 7.38 |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.83  | 0.83 | < 0.005 | < 0.005 | — | 0.84 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.00  | 0.00 | 0.00    | 0.00    | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.83  | 0.83 | < 0.005 | < 0.005 | — | 0.84 |

#### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

#### 4.3. Area Emissions by Source

##### 4.3.1. Unmitigated

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

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

|                        |      |      |      |      |         |      |   |      |      |   |      |   |      |      |         |         |   |      |
|------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 3.86 | 3.86 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 1.39 | 1.29 | 0.07 | 7.83 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 32.2 | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Total                  | 5.49 | 5.38 | 0.07 | 7.83 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 32.2 | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 3.86 | 3.86 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Total                  | 4.10 | 4.10 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.70 | 0.70 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.04 | 0.04 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |

|           |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|-----------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Landscape | 0.17 | 0.16 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |
| Total     | 0.92 | 0.91 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |

#### 4.3.2. Mitigated

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

| Source                 | TOG  | ROG  | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------|------|------|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---|------|
| Daily, Summer (Max)    | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 3.57 | 3.57 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                  | 3.81 | 3.81 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max)    | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 3.57 | 3.57 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                  | 3.81 | 3.81 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                 | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consumer Products      | 0.65 | 0.65 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                    |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 0.04 | 0.04 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total              | 0.69 | 0.69 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |

### 4.4.2. Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |

|                     |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Parking Lot         | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | 170  | 0.00 | 170  | 17.0 | 0.00 | — | 595  |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | 170  | 0.00 | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | 170  | 0.00 | 170  | 17.0 | 0.00 | — | 595  |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |
| Parking Lot         | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |

#### 4.5.2. Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |

|             |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Total       | — | — | — | — | — | — | — | — | — | — | — | 170  | 0.00 | 170  | 17.0 | 0.00 | — | 595  |
| Annual      | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital    | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total       | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.05 | 0.05 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.05 | 0.05 |

### 4.6.2. Mitigated

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

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



|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |

## 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, Summer (Max)   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                 | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max)   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                 | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                 | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.7.2. Mitigated

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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

#### 4.8.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.9. 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<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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.9.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.10. 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<br>on            | 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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

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



## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date   | Days Per Week | Work Days per Phase | Phase Description |
|--------------------------------------|-----------------------|------------|------------|---------------|---------------------|-------------------|
| Site Preparation                     | Site Preparation      | 11/1/2047  | 1/1/2048   | 5.00          | 44.0                | —                 |
| Fine Grading                         | Grading               | 2/15/2048  | 3/30/2048  | 5.00          | 31.0                | —                 |
| Building Construction                | Building Construction | 3/31/2048  | 11/15/2049 | 5.00          | 425                 | —                 |
| Paving+Landscaping                   | Paving                | 1/4/2050   | 3/4/2050   | 5.00          | 44.0                | —                 |
| Architectural Coating                | Architectural Coating | 11/16/2049 | 1/3/2050   | 5.00          | 35.0                | —                 |
| Utilities Trenching and Installation | Trenching             | 1/2/2048   | 2/14/2048  | 5.00          | 32.0                | —                 |

### 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 |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Site Preparation      | Scrapers                   | Diesel    | Average     | 1.00           | 8.00          | 423        | 0.48        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 7.00          | 84.0       | 0.37        |
| Fine Grading          | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Fine Grading          | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Fine Grading          | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 7.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 2.00           | 7.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 6.00          | 84.0       | 0.37        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Building Construction                | Welders                    | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.45 |
| Paving+Landscaping                   | Tractors/Loaders/Back hoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Paving+Landscaping                   | Pavers                     | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving+Landscaping                   | Paving Equipment           | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving+Landscaping                   | Rollers                    | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Paving+Landscaping                   | Cement and Mortar Mixers   | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Site Preparation      | Scrapers                   | Diesel    | Average     | 1.00           | 8.00          | 423        | 0.48        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 7.00          | 84.0       | 0.37        |
| Fine Grading          | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Fine Grading          | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Fine Grading          | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 7.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 2.00           | 7.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 6.00          | 84.0       | 0.37        |
| Building Construction | Welders                    | Diesel    | Average     | 3.00           | 8.00          | 46.0       | 0.45        |
| Paving+Landscaping    | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Paving+Landscaping    | Pavers                     | Diesel    | Average     | 1.00           | 8.00          | 81.0       | 0.42        |

|                                      |                          |        |         |      |      |      |      |
|--------------------------------------|--------------------------|--------|---------|------|------|------|------|
| Paving+Landscaping                   | Paving Equipment         | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving+Landscaping                   | Rollers                  | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Paving+Landscaping                   | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Architectural Coating                | Air Compressors          | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation      | —            | —                     | —              | —             |
| Site Preparation      | Worker       | 7.50                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Building Construction | —            | —                     | —              | —             |
| Building Construction | Worker       | 57.6                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 29.5                  | 10.2           | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving+Landscaping    | —            | —                     | —              | —             |
| Paving+Landscaping    | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |
| Paving+Landscaping    | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Paving+Landscaping    | Hauling      | 0.00                  | 20.0           | HHDT          |
| Paving+Landscaping    | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating | —            | —                     | —              | —             |
| Architectural Coating | Worker       | 11.5                  | 18.5           | LDA,LDT1,LDT2 |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | Onsite truck | —    | —    | HHDT          |

### 5.3.2. Mitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation      | —            | —                     | —              | —             |
| Site Preparation      | Worker       | 7.50                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Building Construction | —            | —                     | —              | —             |
| Building Construction | Worker       | 57.6                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 29.5                  | 10.2           | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving+Landscaping    | —            | —                     | —              | —             |
| Paving+Landscaping    | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Paving+Landscaping                   | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+Landscaping                   | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+Landscaping                   | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 11.5 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | 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 | 0.00                                     | 0.00                                     | 270,000                                      | 90,000                                       | 5,857                       |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name         | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|--------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation   | —                      | —                      | 66.0                 | 0.00                          | —                   |
| Fine Grading       | —                      | —                      | 31.0                 | 0.00                          | —                   |
| Paving+Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 2.24                |

### 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

| Land Use    | Area Paved (acres) | % Asphalt |
|-------------|--------------------|-----------|
| Hospital    | 0.00               | 0%        |
| Parking Lot | 2.24               | 100%      |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2047 | 0.00         | 532 | 0.03 | < 0.005 |
| 2048 | 0.00         | 532 | 0.03 | < 0.005 |
| 2049 | 0.00         | 532 | 0.03 | < 0.005 |

|      |      |     |      |         |
|------|------|-----|------|---------|
| 2050 | 0.00 | 532 | 0.03 | < 0.005 |
|------|------|-----|------|---------|

## 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  |
|---------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Hospital      | 2,411         | 834            | 731          | 710,067    | 23,100      | 7,990        | 7,006      | 6,804,348 |
| Parking Lot   | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMt/Weekday | VMt/Saturday | VMt/Sunday | VMt/Year  |
|---------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Hospital      | 2,411         | 834            | 731          | 710,067    | 23,100      | 7,990        | 7,006      | 6,804,348 |
| Parking Lot   | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 270,000                                      | 90,000                                       | 5,857                       |

### 5.10.3. Landscape Equipment

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

|             |        |      |
|-------------|--------|------|
| Snow Days   | day/yr | 0.00 |
| Summer Days | day/yr | 250  |

#### 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

#### 5.11.2. Mitigated

##### 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

| Land Use    | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------|-------------------------|--------------------------|
| Hospital    | 9,699,874               | 9,041,286                |
| Parking Lot | 0.00                    | 0.00                     |

#### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|----------|-------------------------|--------------------------|
|----------|-------------------------|--------------------------|



|             |           |           |
|-------------|-----------|-----------|
| Hospital    | 9,699,874 | 9,041,286 |
| Parking Lot | 0.00      | 0.00      |

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

| Land Use    | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------|------------------|-------------------------|
| Hospital    | 315              | —                       |
| Parking Lot | 0.00             | —                       |

#### 5.13.2. Mitigated

| Land Use    | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------|------------------|-------------------------|
| Hospital    | 315              | —                       |
| Parking Lot | 0.00             | —                       |

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

| Land Use Type | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital      | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital      | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital      | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital      | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |

## 5.14.2. Mitigated

| Land Use Type | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital      | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital      | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital      | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital      | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |

## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

## 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

## 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

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

#### 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | 100                             |
| AQ-PM                           | 57.4                            |
| AQ-DPM                          | 82.8                            |
| Drinking Water                  | 96.3                            |
| Lead Risk Housing               | 29.2                            |
| Pesticides                      | 74.7                            |
| Toxic Releases                  | 44.2                            |
| Traffic                         | 81.0                            |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 81.9                            |
| Groundwater                     | 47.6                            |
| Haz Waste Facilities/Generators | 96.8                            |
| Impaired Water Bodies           | 12.5                            |
| Solid Waste                     | 0.00                            |
| Sensitive Population            | —                               |
| Asthma                          | 34.7                            |
| Cardio-vascular                 | 45.1                            |
| Low Birth Weights               | 75.6                            |
| Socioeconomic Factor Indicators | —                               |
| Education                       | 39.2                            |
| Housing                         | 89.1                            |
| Linguistic                      | 17.3                            |
| Poverty                         | 55.9                            |
| Unemployment                    | 14.4                            |

## 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                                | 37.76466059                     |
| Employed                                     | 27.51186963                     |
| Median HI                                    | 26.53663544                     |
| Education                                    | —                               |
| Bachelor's or higher                         | 60.5800077                      |
| High school enrollment                       | 100                             |
| Preschool enrollment                         | 11.52316181                     |
| Transportation                               | —                               |
| Auto Access                                  | 62.47914795                     |
| Active commuting                             | 28.56409598                     |
| Social                                       | —                               |
| 2-parent households                          | 37.02040293                     |
| Voting                                       | 39.83061722                     |
| Neighborhood                                 | —                               |
| Alcohol availability                         | 30.07827538                     |
| Park access                                  | 50.53252919                     |
| Retail density                               | 65.94379571                     |
| Supermarket access                           | 72.28281791                     |
| Tree canopy                                  | 43.62889773                     |
| Housing                                      | —                               |
| Homeownership                                | 9.303220839                     |
| Housing habitability                         | 37.12305916                     |
| Low-inc homeowner severe housing cost burden | 73.38637239                     |
| Low-inc renter severe housing cost burden    | 66.31592455                     |
| Uncrowded housing                            | 31.19466188                     |
| Health Outcomes                              | —                               |

|                                       |             |
|---------------------------------------|-------------|
| Insured adults                        | 48.58206082 |
| Arthritis                             | 92.2        |
| Asthma ER Admissions                  | 65.8        |
| High Blood Pressure                   | 95.2        |
| Cancer (excluding skin)               | 82.6        |
| Asthma                                | 30.0        |
| Coronary Heart Disease                | 94.7        |
| Chronic Obstructive Pulmonary Disease | 71.2        |
| Diagnosed Diabetes                    | 92.6        |
| Life Expectancy at Birth              | 79.7        |
| Cognitively Disabled                  | 52.2        |
| Physically Disabled                   | 60.6        |
| Heart Attack ER Admissions            | 32.7        |
| Mental Health Not Good                | 41.5        |
| Chronic Kidney Disease                | 95.6        |
| Obesity                               | 56.2        |
| Pedestrian Injuries                   | 53.3        |
| Physical Health Not Good              | 67.2        |
| Stroke                                | 91.3        |
| Health Risk Behaviors                 | —           |
| Binge Drinking                        | 13.6        |
| Current Smoker                        | 36.3        |
| No Leisure Time for Physical Activity | 67.1        |
| Climate Change Exposures              | —           |
| Wildfire Risk                         | 0.0         |
| SLR Inundation Area                   | 0.0         |
| Children                              | 7.3         |
| Elderly                               | 81.9        |



|                                  |      |
|----------------------------------|------|
| English Speaking                 | 84.0 |
| Foreign-born                     | 37.0 |
| Outdoor Workers                  | 85.1 |
| Climate Change Adaptive Capacity | —    |
| Impervious Surface Cover         | 69.4 |
| Traffic Density                  | 74.6 |
| Traffic Access                   | 23.0 |
| Other Indices                    | —    |
| Hardship                         | 54.2 |
| Other Decision Support           | —    |
| 2016 Voting                      | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 72.0                            |
| Healthy Places Index Score for Project Location (b)                                 | 32.0                            |
| 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

| Screen                               | Justification    |
|--------------------------------------|------------------|
| Land Use                             | client provided  |
| Construction: Construction Phases    | Client provided. |
| Construction: Off-Road Equipment     | Default          |
| Construction: Architectural Coatings | SCAQMD 1113      |
| Operations: Vehicle Data             | Traffic Study    |
| Operations: Architectural Coatings   | SCAQMD 1113      |
| Operations: Energy Use               | Utility on site. |

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## **APPENDIX D2.5**

### **Phase 1 CalEEMod Without Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center - Phase 1 Detailed Report

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5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated



## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

### 5.10.3. Landscape Equipment

### 5.10.4. Landscape Equipment - Mitigated

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

### 5.11.2. Mitigated

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

### 5.12.2. Mitigated

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

### 5.13.2. Mitigated

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

### 6.2. Initial Climate Risk Scores

### 6.3. Adjusted Climate Risk Scores

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

### 7.2. Healthy Places Index Scores

### 7.3. Overall Health & Equity Scores

### 7.4. Health & Equity Measures

### 7.5. Evaluation Scorecard

### 7.6. Health & Equity Custom Measures

## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                      |
|-----------------------------|------------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center - Phase 1 |
| Construction Start Date     | 9/1/2027                                                   |
| Operational Year            | 2029                                                       |
| Lead Agency                 | —                                                          |
| Land Use Scale              | Project/site                                               |
| Analysis Level for Defaults | County                                                     |
| Windspeed (m/s)             | 2.50                                                       |
| Precipitation (days)        | 24.0                                                       |
| Location                    | 34.07231170887854, -117.22884775664832                     |
| County                      | San Bernardino-South Coast                                 |
| City                        | Redlands                                                   |
| Air District                | South Coast AQMD                                           |
| Air Basin                   | South Coast                                                |
| TAZ                         | 5394                                                       |
| EDFZ                        | 10                                                         |
| Electric Utility            | Southern California Edison                                 |
| Gas Utility                 | Southern California Gas                                    |
| App Version                 | 2022.1.1.29                                                |

## 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 |
|-------------------------|------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Medical Office Building | 165  | 1000sqft | 0.83        | 165,000               | 411,000                | —                              | —          | —           |

|             |     |       |      |      |      |   |   |   |
|-------------|-----|-------|------|------|------|---|---|---|
| Parking Lot | 825 | Space | 7.42 | 0.00 | 0.00 | — | — | — |
|-------------|-----|-------|------|------|------|---|---|---|

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

| Sector       | #    | Measure Title                       |
|--------------|------|-------------------------------------|
| Construction | C-9  | Use Dust Suppressants               |
| Construction | C-13 | Use Low-VOC Paints for Construction |
| Area Sources | AS-1 | Use Low-VOC Cleaning Supplies       |
| Area Sources | AS-2 | Use Low-VOC Paints                  |

## 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.              | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 3.31  | 3.46  | 0.28   | 0.51   | 0.64   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| Mit.                | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 3.31  | 3.46  | 0.28   | 0.51   | 0.64   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Unmit.              | 29.6 | 29.6 | 28.0 | 29.2 | 0.05 | 1.17  | 7.89  | 9.07  | 1.08   | 3.99   | 5.07   | —    | 5,515 | 5,515 | 0.22 | 0.16 | 0.10 | 5,536 |
| Mit.                | 29.6 | 29.6 | 28.0 | 29.2 | 0.05 | 1.17  | 7.89  | 9.07  | 1.08   | 3.99   | 5.07   | —    | 5,515 | 5,515 | 0.22 | 0.16 | 0.10 | 5,536 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Average Daily (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 2.72 | 2.66 | 7.26 | 11.5 | 0.02    | 0.23 | 0.77 | 0.94 | 0.21 | 0.32 | 0.41 | — | 2,727 | 2,727 | 0.11 | 0.11 | 1.11 | 2,765 |
| Mit.                | 2.72 | 2.66 | 7.26 | 11.5 | 0.02    | 0.23 | 0.77 | 0.94 | 0.21 | 0.32 | 0.41 | — | 2,727 | 2,727 | 0.11 | 0.11 | 1.11 | 2,765 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max)        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 0.50 | 0.49 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.14 | 0.17 | 0.04 | 0.06 | 0.07 | — | 452   | 452   | 0.02 | 0.02 | 0.18 | 458   |
| Mit.                | 0.50 | 0.49 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.14 | 0.17 | 0.04 | 0.06 | 0.07 | — | 452   | 452   | 0.02 | 0.02 | 0.18 | 458   |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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                 | 0.87 | 0.72 | 5.04 | 6.93 | 0.02 | 0.15  | 3.31  | 3.46  | 0.14   | 0.51   | 0.64   | —    | 2,027 | 2,027 | 0.09 | 0.04 | 0.34 | 2,041 |
| 2028                 | 1.47 | 1.22 | 9.92 | 16.7 | 0.03 | 0.31  | 0.92  | 1.23  | 0.28   | 0.23   | 0.51   | —    | 3,884 | 3,884 | 0.16 | 0.16 | 3.73 | 3,941 |
| 2029                 | 1.11 | 0.98 | 6.50 | 10.8 | 0.01 | 0.24  | 0.20  | 0.44  | 0.22   | 0.05   | 0.27   | —    | 1,706 | 1,706 | 0.06 | 0.02 | 0.51 | 1,714 |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 3.71 | 3.12 | 28.0 | 29.2 | 0.05 | 1.17  | 7.89  | 9.07  | 1.08   | 3.99   | 5.07   | —    | 5,515 | 5,515 | 0.22 | 0.05 | 0.02 | 5,536 |
| 2028                 | 1.91 | 1.62 | 13.8 | 18.0 | 0.03 | 0.57  | 2.96  | 3.53  | 0.52   | 1.38   | 1.90   | —    | 3,827 | 3,827 | 0.16 | 0.16 | 0.10 | 3,880 |
| 2029                 | 29.6 | 29.6 | 9.57 | 15.6 | 0.03 | 0.28  | 0.92  | 1.20  | 0.26   | 0.23   | 0.49   | —    | 3,794 | 3,794 | 0.16 | 0.16 | 0.09 | 3,846 |
| Average Daily        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| 2027                 | 0.36 | 0.30 | 2.55 | 2.88 | 0.01 | 0.10  | 0.77  | 0.87  | 0.09   | 0.32   | 0.41   | —    | 574   | 574   | 0.02 | 0.01 | 0.04 | 577   |

|        |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|--------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| 2028   | 1.06 | 0.87 | 7.26 | 11.5 | 0.02    | 0.23 | 0.71 | 0.94 | 0.21 | 0.19 | 0.40 | — | 2,727 | 2,727 | 0.11    | 0.11    | 1.11 | 2,765 |
| 2029   | 2.72 | 2.66 | 2.30 | 3.78 | 0.01    | 0.08 | 0.13 | 0.21 | 0.07 | 0.03 | 0.10 | — | 720   | 720   | 0.03    | 0.02    | 0.19 | 727   |
| Annual | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| 2027   | 0.06 | 0.05 | 0.47 | 0.53 | < 0.005 | 0.02 | 0.14 | 0.16 | 0.02 | 0.06 | 0.07 | — | 95.1  | 95.1  | < 0.005 | < 0.005 | 0.01 | 95.5  |
| 2028   | 0.19 | 0.16 | 1.33 | 2.10 | < 0.005 | 0.04 | 0.13 | 0.17 | 0.04 | 0.04 | 0.07 | — | 452   | 452   | 0.02    | 0.02    | 0.18 | 458   |
| 2029   | 0.50 | 0.49 | 0.42 | 0.69 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | — | 119   | 119   | < 0.005 | < 0.005 | 0.03 | 120   |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|----------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| 2027                 | 0.87 | 0.72 | 5.04 | 6.93 | 0.02    | 0.15  | 3.31  | 3.46  | 0.14   | 0.51   | 0.64   | —    | 2,027 | 2,027 | 0.09    | 0.04    | 0.34 | 2,041 |
| 2028                 | 1.47 | 1.22 | 9.92 | 16.7 | 0.03    | 0.31  | 0.92  | 1.23  | 0.28   | 0.23   | 0.51   | —    | 3,884 | 3,884 | 0.16    | 0.16    | 3.73 | 3,941 |
| 2029                 | 1.11 | 0.98 | 6.50 | 10.8 | 0.01    | 0.24  | 0.20  | 0.44  | 0.22   | 0.05   | 0.27   | —    | 1,706 | 1,706 | 0.06    | 0.02    | 0.51 | 1,714 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| 2027                 | 3.71 | 3.12 | 28.0 | 29.2 | 0.05    | 1.17  | 7.89  | 9.07  | 1.08   | 3.99   | 5.07   | —    | 5,515 | 5,515 | 0.22    | 0.05    | 0.02 | 5,536 |
| 2028                 | 1.91 | 1.62 | 13.8 | 18.0 | 0.03    | 0.57  | 2.96  | 3.53  | 0.52   | 1.38   | 1.90   | —    | 3,827 | 3,827 | 0.16    | 0.16    | 0.10 | 3,880 |
| 2029                 | 29.6 | 29.6 | 9.57 | 15.6 | 0.03    | 0.28  | 0.92  | 1.20  | 0.26   | 0.23   | 0.49   | —    | 3,794 | 3,794 | 0.16    | 0.16    | 0.09 | 3,846 |
| Average Daily        | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| 2027                 | 0.36 | 0.30 | 2.55 | 2.88 | 0.01    | 0.10  | 0.77  | 0.87  | 0.09   | 0.32   | 0.41   | —    | 574   | 574   | 0.02    | 0.01    | 0.04 | 577   |
| 2028                 | 1.06 | 0.87 | 7.26 | 11.5 | 0.02    | 0.23  | 0.71  | 0.94  | 0.21   | 0.19   | 0.40   | —    | 2,727 | 2,727 | 0.11    | 0.11    | 1.11 | 2,765 |
| 2029                 | 2.72 | 2.66 | 2.30 | 3.78 | 0.01    | 0.08  | 0.13  | 0.21  | 0.07   | 0.03   | 0.10   | —    | 720   | 720   | 0.03    | 0.02    | 0.19 | 727   |
| Annual               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| 2027                 | 0.06 | 0.05 | 0.47 | 0.53 | < 0.005 | 0.02  | 0.14  | 0.16  | 0.02   | 0.06   | 0.07   | —    | 95.1  | 95.1  | < 0.005 | < 0.005 | 0.01 | 95.5  |
| 2028                 | 0.19 | 0.16 | 1.33 | 2.10 | < 0.005 | 0.04  | 0.13  | 0.17  | 0.04   | 0.04   | 0.07   | —    | 452   | 452   | 0.02    | 0.02    | 0.18 | 458   |

|      |      |      |      |      |         |      |      |      |      |      |      |   |     |     |         |         |      |     |
|------|------|------|------|------|---------|------|------|------|------|------|------|---|-----|-----|---------|---------|------|-----|
| 2029 | 0.50 | 0.49 | 0.42 | 0.69 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | — | 119 | 119 | < 0.005 | < 0.005 | 0.03 | 120 |
|------|------|------|------|------|---------|------|------|------|------|------|------|---|-----|-----|---------|---------|------|-----|

## 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.              | 18.4 | 17.0 | 11.6 | 110  | 0.28 | 0.27  | 25.0  | 25.3  | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102  | 1.39 | 74.6 | 38,246 |
| Mit.                | 18.1 | 16.8 | 11.6 | 110  | 0.28 | 0.27  | 25.0  | 25.3  | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102  | 1.39 | 74.6 | 38,246 |
| % Reduced           | 1%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 16.4 | 15.1 | 12.3 | 87.1 | 0.26 | 0.26  | 25.0  | 25.3  | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102  | 1.43 | 6.04 | 36,435 |
| Mit.                | 16.1 | 14.8 | 12.3 | 87.1 | 0.26 | 0.26  | 25.0  | 25.3  | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102  | 1.43 | 6.04 | 36,435 |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 14.4 | 13.3 | 9.98 | 75.3 | 0.21 | 0.23  | 19.2  | 19.4  | 0.22   | 4.87   | 5.09   | 1,000 | 26,891 | 27,891 | 101  | 1.15 | 27.9 | 30,798 |
| Mit.                | 14.1 | 13.1 | 9.98 | 75.3 | 0.21 | 0.23  | 19.2  | 19.4  | 0.22   | 4.87   | 5.09   | 1,000 | 26,891 | 27,891 | 101  | 1.15 | 27.9 | 30,798 |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Annual (Max)        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |
| Unmit.              | 2.63 | 2.43 | 1.82 | 13.7 | 0.04 | 0.04  | 3.50  | 3.54  | 0.04   | 0.89   | 0.93   | 166   | 4,452  | 4,618  | 16.8 | 0.19 | 4.61 | 5,099  |
| Mit.                | 2.58 | 2.38 | 1.82 | 13.7 | 0.04 | 0.04  | 3.50  | 3.54  | 0.04   | 0.89   | 0.93   | 166   | 4,452  | 4,618  | 16.8 | 0.19 | 4.61 | 5,099  |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —     | —      | —      | —    | —    | —    | —      |



## 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              | 13.2 | 12.0 | 10.3 | 102  | 0.27    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 27,868 | 27,868 | 1.21    | 1.25    | 70.4 | 28,342 |
| Area                | 5.07 | 4.97 | 0.06 | 7.18 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —     | 29.5   | 29.5   | < 0.005 | < 0.005 | —    | 29.6   |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total               | 18.4 | 17.0 | 11.6 | 110  | 0.28    | 0.27  | 25.0  | 25.3  | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102     | 1.39    | 74.6 | 38,246 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Mobile              | 12.4 | 11.2 | 11.0 | 86.1 | 0.25    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 26,142 | 26,142 | 1.26    | 1.29    | 1.82 | 26,560 |
| Area                | 3.79 | 3.79 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total               | 16.4 | 15.1 | 12.3 | 87.1 | 0.26    | 0.26  | 25.0  | 25.3  | 0.25   | 6.36   | 6.61   | 1,000 | 32,460 | 33,460 | 102     | 1.43    | 6.04 | 36,435 |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.61 | 8.66 | 8.72 | 69.4 | 0.20    | 0.13  | 19.2  | 19.3  | 0.12   | 4.87   | 4.99   | —     | 20,553 | 20,553 | 0.98    | 1.01    | 23.6 | 20,903 |
| Area                | 4.67 | 4.60 | 0.04 | 4.92 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —     | 20.2   | 20.2   | < 0.005 | < 0.005 | —    | 20.3   |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |

|         |      |      |      |      |         |         |      |         |         |      |         |       |        |        |         |         |      |        |
|---------|------|------|------|------|---------|---------|------|---------|---------|------|---------|-------|--------|--------|---------|---------|------|--------|
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total   | 14.4 | 13.3 | 9.98 | 75.3 | 0.21    | 0.23    | 19.2 | 19.4    | 0.22    | 4.87 | 5.09    | 1,000 | 26,891 | 27,891 | 101     | 1.15    | 27.9 | 30,798 |
| Annual  | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | —    | —      |
| Mobile  | 1.75 | 1.58 | 1.59 | 12.7 | 0.04    | 0.02    | 3.50 | 3.52    | 0.02    | 0.89 | 0.91    | —     | 3,403  | 3,403  | 0.16    | 0.17    | 3.91 | 3,461  |
| Area    | 0.85 | 0.84 | 0.01 | 0.90 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —     | 3.35   | 3.35   | < 0.005 | < 0.005 | —    | 3.36   |
| Energy  | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | —     | 1,003  | 1,003  | 0.07    | 0.01    | —    | 1,007  |
| Water   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 6.57  | 42.5   | 49.0   | 0.68    | 0.02    | —    | 70.8   |
| Waste   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 159   | 0.00   | 159    | 15.9    | 0.00    | —    | 556    |
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 0.70 | 0.70   |
| Total   | 2.63 | 2.43 | 1.82 | 13.7 | 0.04    | 0.04    | 3.50 | 3.54    | 0.04    | 0.89 | 0.93    | 166   | 4,452  | 4,618  | 16.8    | 0.19    | 4.61 | 5,099  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 13.2 | 12.0 | 10.3 | 102  | 0.27    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 27,868 | 27,868 | 1.21    | 1.25    | 70.4 | 28,342 |
| Area                | 4.80 | 4.71 | 0.06 | 7.18 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —     | 29.5   | 29.5   | < 0.005 | < 0.005 | —    | 29.6   |
| Energy              | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total               | 18.1 | 16.8 | 11.6 | 110  | 0.28    | 0.27  | 25.0  | 25.3  | 0.26   | 6.36   | 6.62   | 1,000 | 34,215 | 35,215 | 102     | 1.39    | 74.6 | 38,246 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |
| Mobile              | 12.4 | 11.2 | 11.0 | 86.1 | 0.25    | 0.17  | 25.0  | 25.2  | 0.16   | 6.36   | 6.51   | —     | 26,142 | 26,142 | 1.26    | 1.29    | 1.82 | 26,560 |
| Area                | 3.53 | 3.53 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —     | —      | —      | —       | —       | —    | —      |

|               |      |      |      |      |         |         |      |         |         |      |         |       |        |        |         |         |      |        |
|---------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|-------|--------|--------|---------|---------|------|--------|
| Energy        | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09    | —    | 0.09    | 0.09    | —    | 0.09    | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total         | 16.1 | 14.8 | 12.3 | 87.1 | 0.26    | 0.26    | 25.0 | 25.3    | 0.25    | 6.36 | 6.61    | 1,000 | 32,460 | 33,460 | 102     | 1.43    | 6.04 | 36,435 |
| Average Daily | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | —    | —      |
| Mobile        | 9.61 | 8.66 | 8.72 | 69.4 | 0.20    | 0.13    | 19.2 | 19.3    | 0.12    | 4.87 | 4.99    | —     | 20,553 | 20,553 | 0.98    | 1.01    | 23.6 | 20,903 |
| Area          | 4.40 | 4.33 | 0.04 | 4.92 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | —     | 20.2   | 20.2   | < 0.005 | < 0.005 | —    | 20.3   |
| Energy        | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09    | —    | 0.09    | 0.09    | —    | 0.09    | —     | 6,061  | 6,061  | 0.41    | 0.04    | —    | 6,082  |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 39.7  | 256    | 296    | 4.08    | 0.10    | —    | 428    |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 960   | 0.00   | 960    | 96.0    | 0.00    | —    | 3,360  |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 4.22 | 4.22   |
| Total         | 14.1 | 13.1 | 9.98 | 75.3 | 0.21    | 0.23    | 19.2 | 19.4    | 0.22    | 4.87 | 5.09    | 1,000 | 26,891 | 27,891 | 101     | 1.15    | 27.9 | 30,798 |
| Annual        | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | —    | —      |
| Mobile        | 1.75 | 1.58 | 1.59 | 12.7 | 0.04    | 0.02    | 3.50 | 3.52    | 0.02    | 0.89 | 0.91    | —     | 3,403  | 3,403  | 0.16    | 0.17    | 3.91 | 3,461  |
| Area          | 0.80 | 0.79 | 0.01 | 0.90 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —     | 3.35   | 3.35   | < 0.005 | < 0.005 | —    | 3.36   |
| Energy        | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | —     | 1,003  | 1,003  | 0.07    | 0.01    | —    | 1,007  |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 6.57  | 42.5   | 49.0   | 0.68    | 0.02    | —    | 70.8   |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 159   | 0.00   | 159    | 15.9    | 0.00    | —    | 556    |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —     | —      | —      | —       | —       | 0.70 | 0.70   |
| Total         | 2.58 | 2.38 | 1.82 | 13.7 | 0.04    | 0.04    | 3.50 | 3.54    | 0.04    | 0.89 | 0.93    | 166   | 4,452  | 4,618  | 16.8    | 0.19    | 4.61 | 5,099  |

### 3. Construction Emissions Details

#### 3.1. Demolition (2027) - Unmitigated

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

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

|                     |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.85 | 0.71 | 4.88 | 6.70 | 0.02    | 0.15    | —    | 0.15    | 0.13    | —    | 0.13    | — | 1,867 | 1,867 | 0.08    | 0.02    | —    | 1,874 |
| Demolition          | —    | —    | —    | —    | —       | —       | 3.25 | 3.25    | —       | 0.49 | 0.49    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.05 | 0.04 | 0.29 | 0.40 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 113   | 113   | < 0.005 | < 0.005 | —    | 113   |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.20 | 0.20    | —       | 0.03 | 0.03    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 18.6  | 18.6  | < 0.005 | < 0.005 | —    | 18.7  |
| Demolition          | —    | —    | —    | —    | —       | —       | 0.04 | 0.04    | —       | 0.01 | 0.01    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 27.1 | 27.1 | < 0.005 | < 0.005 | 0.09    | 27.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.02    | < 0.005 | 0.15    | 0.09    | < 0.005 | < 0.005 | 0.04    | 0.04    | < 0.005 | 0.01    | 0.01    | — | 133  | 133  | 0.01    | 0.02    | 0.25    | 140  |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.52 | 1.52 | < 0.005 | < 0.005 | < 0.005 | 1.54 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.02 | 8.02 | < 0.005 | < 0.005 | 0.01    | 8.44 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.25 | 0.25 | < 0.005 | < 0.005 | < 0.005 | 0.25 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.33 | 1.33 | < 0.005 | < 0.005 | < 0.005 | 1.40 |

### 3.2. Demolition (2027) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 0.85 | 0.71 | 4.88 | 6.70 | 0.02 | 0.15  | —     | 0.15  | 0.13   | —      | 0.13   | —    | 1,867 | 1,867 | 0.08 | 0.02 | — | 1,874 |
| Demolition          | —    | —    | —    | —    | —    | —     | 3.25  | 3.25  | —      | 0.49   | 0.49   | —    | —     | —     | —    | —    | — | —     |

|                     |      |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|---------------------|------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.05 | 0.04    | 0.29 | 0.40 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 113  | 113  | < 0.005 | < 0.005 | —    | 113  |
| Demolition          | —    | —       | —    | —    | —       | —       | 0.20 | 0.20    | —       | 0.03 | 0.03    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.01 | 0.01    | 0.05 | 0.07 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 18.6 | 18.6 | < 0.005 | < 0.005 | —    | 18.7 |
| Demolition          | —    | —       | —    | —    | —       | —       | 0.04 | 0.04    | —       | 0.01 | 0.01    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01 | 0.01    | 0.01 | 0.13 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01 | 0.01    | — | 27.1 | 27.1 | < 0.005 | < 0.005 | 0.09 | 27.4 |
| Vendor              | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.02 | < 0.005 | 0.15 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04    | < 0.005 | 0.01 | 0.01    | — | 133  | 133  | 0.01    | 0.02    | 0.25 | 140  |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|               |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.52 | 1.52 | < 0.005 | < 0.005 | < 0.005 | 1.54 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.02 | 8.02 | < 0.005 | < 0.005 | 0.01    | 8.44 |
| Annual        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.25 | 0.25 | < 0.005 | < 0.005 | < 0.005 | 0.25 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.33 | 1.33 | < 0.005 | < 0.005 | < 0.005 | 1.40 |

### 3.3. Site Preparation (2027) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 3.63 | 3.05 | 28.0 | 28.3 | 0.05 | 1.17  | —     | 1.17  | 1.08   | —      | 1.08   | —    | 5,298 | 5,298 | 0.21 | 0.04 | —    | 5,316 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                             |         |         |         |      |         |      |      |      |      |         |         |   |      |      |         |         |      |      |
|-----------------------------|---------|---------|---------|------|---------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Off-Road                    | 0.22    | 0.18    | 1.69    | 1.70 | < 0.005 | 0.07 | —    | 0.07 | 0.06 | —       | 0.06    | — | 319  | 319  | 0.01    | < 0.005 | —    | 320  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.46 | 0.46 | —    | 0.24    | 0.24    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment          | 0.04    | 0.03    | 0.31    | 0.31 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —       | 0.01    | — | 52.9 | 52.9 | < 0.005 | < 0.005 | —    | 53.0 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.08 | 0.08 | —    | 0.04    | 0.04    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                      | 0.08    | 0.07    | 0.07    | 0.88 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00 | 0.05    | 0.05    | — | 217  | 217  | < 0.005 | 0.01    | 0.02 | 220  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 13.3 | 13.3 | < 0.005 | < 0.005 | 0.02 | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |



|         |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.20 | 2.20 | < 0.005 | < 0.005 | < 0.005 | 2.23 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2027) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 3.63 | 3.05 | 28.0 | 28.3 | 0.05    | 1.17  | —     | 1.17  | 1.08   | —      | 1.08   | —    | 5,298 | 5,298 | 0.21 | 0.04    | —    | 5,316 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.22 | 0.18 | 1.69 | 1.70 | < 0.005 | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 319   | 319   | 0.01 | < 0.005 | —    | 320   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.46  | 0.46  | —      | 0.24   | 0.24   | —    | —     | —     | —    | —       | —    | —     |

|                             |         |         |         |      |         |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.04    | 0.03    | 0.31    | 0.31 | < 0.005 | 0.01 | —       | 0.01    | 0.01 | —       | 0.01    | — | 52.9 | 52.9 | < 0.005 | < 0.005 | —       | 53.0 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.08    | 0.08    | —    | 0.04    | 0.04    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.08    | 0.07    | 0.07    | 0.88 | 0.00    | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 217  | 217  | < 0.005 | 0.01    | 0.02    | 220  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 13.3 | 13.3 | < 0.005 | < 0.005 | 0.02    | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.20 | 2.20 | < 0.005 | < 0.005 | < 0.005 | 2.23 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.5. Grading (2027) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.89 | 1.59 | 14.2 | 17.3 | 0.03    | 0.60  | —     | 0.60  | 0.55   | —      | 0.55   | —    | 2,960 | 2,960 | 0.12    | 0.02    | —    | 2,970 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 2.76  | 2.76  | —      | 1.34   | 1.34   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.06 | 0.05 | 0.45 | 0.54 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 92.7  | 92.7  | < 0.005 | < 0.005 | —    | 93.0  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.09  | 0.09  | —      | 0.04   | 0.04   | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —       | —       | —    | —     |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment          | 0.01    | 0.01    | 0.08    | 0.10    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 15.3 | 15.3 | < 0.005 | < 0.005 | —       | 15.4 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.02    | 0.02    | —       | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.07    | 0.06    | 0.06    | 0.76    | 0.00    | 0.00    | 0.20    | 0.20    | 0.00    | 0.05    | 0.05    | — | 186  | 186  | < 0.005 | 0.01    | 0.02    | 188  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 5.91 | 5.91 | < 0.005 | < 0.005 | 0.01    | 5.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.98 | 0.98 | < 0.005 | < 0.005 | < 0.005 | 0.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.6. Grading (2027) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.89 | 1.59 | 14.2 | 17.3 | 0.03    | 0.60    | —     | 0.60    | 0.55    | —      | 0.55    | —    | 2,960 | 2,960 | 0.12    | 0.02    | —    | 2,970 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76  | 2.76    | —       | 1.34   | 1.34    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.06 | 0.05 | 0.45 | 0.54 | < 0.005 | 0.02    | —     | 0.02    | 0.02    | —      | 0.02    | —    | 92.7  | 92.7  | < 0.005 | < 0.005 | —    | 93.0  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.09  | 0.09    | —       | 0.04   | 0.04    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.08 | 0.10 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 15.3  | 15.3  | < 0.005 | < 0.005 | —    | 15.4  |

|                             |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —    | —    | 0.02    | 0.02    | —    | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.07    | 0.06    | 0.06    | 0.76    | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 186  | 186  | < 0.005 | 0.01    | 0.02    | 188  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.91 | 5.91 | < 0.005 | < 0.005 | 0.01    | 5.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.98 | 0.98 | < 0.005 | < 0.005 | < 0.005 | 0.99 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Grading (2028) - Unmitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.86 | 1.56 | 13.8 | 17.3 | 0.03    | 0.57    | —    | 0.57    | 0.52    | —    | 0.52    | — | 2,961 | 2,961 | 0.12    | 0.02    | —    | 2,971 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76 | 2.76    | —       | 1.34 | 1.34    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.05 | 0.05 | 0.40 | 0.51 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 86.9  | 86.9  | < 0.005 | < 0.005 | —    | 87.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.08 | 0.08    | —       | 0.04 | 0.04    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.07 | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 14.4  | 14.4  | < 0.005 | < 0.005 | —    | 14.4  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.01 | 0.01    | —       | 0.01 | 0.01    | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.06    | 0.06    | 0.05    | 0.70    | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 183  | 183  | < 0.005 | 0.01    | 0.01    | 185  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.43 | 5.43 | < 0.005 | < 0.005 | 0.01    | 5.51 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.90 | 0.90 | < 0.005 | < 0.005 | < 0.005 | 0.91 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.8. Grading (2028) - Mitigated

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

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



|                             |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment          | 1.86 | 1.56 | 13.8 | 17.3 | 0.03    | 0.57    | —    | 0.57    | 0.52    | —    | 0.52    | — | 2,961 | 2,961 | 0.12    | 0.02    | —    | 2,971 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76 | 2.76    | —       | 1.34 | 1.34    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.05 | 0.05 | 0.40 | 0.51 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 86.9  | 86.9  | < 0.005 | < 0.005 | —    | 87.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.08 | 0.08    | —       | 0.04 | 0.04    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.07 | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 14.4  | 14.4  | < 0.005 | < 0.005 | —    | 14.4  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.01 | 0.01    | —       | 0.01 | 0.01    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.06    | 0.06    | 0.05    | 0.70    | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 183  | 183  | < 0.005 | 0.01    | 0.01    | 185  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.43 | 5.43 | < 0.005 | < 0.005 | 0.01    | 5.51 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.90 | 0.90 | < 0.005 | < 0.005 | < 0.005 | 0.91 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2028) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02 | 0.30  | —     | 0.30  | 0.28   | —      | 0.28   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02    | 0.30 | —    | 0.30 | 0.28 | —    | 0.28 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.81 | 0.68 | 6.13 | 8.89 | 0.02    | 0.21 | —    | 0.21 | 0.19 | —    | 0.19 | — | 1,647 | 1,647 | 0.07 | 0.01    | —    | 1,652 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.15 | 0.12 | 1.12 | 1.62 | < 0.005 | 0.04 | —    | 0.04 | 0.03 | —    | 0.03 | — | 273   | 273   | 0.01 | < 0.005 | —    | 274   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.21 | 0.21 | 0.18 | 3.28 | 0.00    | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 701   | 701   | 0.01 | 0.03    | 2.01 | 710   |
| Vendor              | 0.07 | 0.02 | 0.81 | 0.45 | 0.01    | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 786   | 786   | 0.05 | 0.12    | 1.71 | 825   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.20 | 0.20 | 0.18 | 2.46 | 0.00    | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 643   | 643   | 0.01 | 0.03    | 0.05 | 650   |
| Vendor              | 0.07 | 0.02 | 0.85 | 0.45 | 0.01    | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 787   | 787   | 0.05 | 0.12    | 0.04 | 824   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|         |      |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |      |      |
|---------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|------|------|
| Worker  | 0.14 | 0.13    | 0.14 | 1.80 | 0.00    | 0.00    | 0.47 | 0.47 | 0.00    | 0.11 | 0.11 | — | 448  | 448  | 0.01    | 0.02    | 0.60 | 454  |
| Vendor  | 0.05 | 0.01    | 0.58 | 0.31 | < 0.005 | 0.01    | 0.16 | 0.17 | < 0.005 | 0.04 | 0.05 | — | 540  | 540  | 0.03    | 0.08    | 0.51 | 566  |
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual  | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker  | 0.02 | 0.02    | 0.03 | 0.33 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 74.1 | 74.1 | < 0.005 | < 0.005 | 0.10 | 75.1 |
| Vendor  | 0.01 | < 0.005 | 0.11 | 0.06 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.5 | 89.5 | 0.01    | 0.01    | 0.08 | 93.8 |
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.10. Building Construction (2028) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02 | 0.30  | —     | 0.30  | 0.28   | —      | 0.28   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 1.18 | 0.99 | 8.92 | 12.9 | 0.02 | 0.30  | —     | 0.30  | 0.28   | —      | 0.28   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,406 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road            | 0.81 | 0.68    | 6.13 | 8.89 | 0.02    | 0.21    | —    | 0.21 | 0.19    | —    | 0.19 | — | 1,647 | 1,647 | 0.07    | 0.01    | —    | 1,652 |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.15 | 0.12    | 1.12 | 1.62 | < 0.005 | 0.04    | —    | 0.04 | 0.03    | —    | 0.03 | — | 273   | 273   | 0.01    | < 0.005 | —    | 274   |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.21 | 0.21    | 0.18 | 3.28 | 0.00    | 0.00    | 0.69 | 0.69 | 0.00    | 0.16 | 0.16 | — | 701   | 701   | 0.01    | 0.03    | 2.01 | 710   |
| Vendor              | 0.07 | 0.02    | 0.81 | 0.45 | 0.01    | 0.01    | 0.23 | 0.24 | 0.01    | 0.06 | 0.07 | — | 786   | 786   | 0.05    | 0.12    | 1.71 | 825   |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.20 | 0.20    | 0.18 | 2.46 | 0.00    | 0.00    | 0.69 | 0.69 | 0.00    | 0.16 | 0.16 | — | 643   | 643   | 0.01    | 0.03    | 0.05 | 650   |
| Vendor              | 0.07 | 0.02    | 0.85 | 0.45 | 0.01    | 0.01    | 0.23 | 0.24 | 0.01    | 0.06 | 0.07 | — | 787   | 787   | 0.05    | 0.12    | 0.04 | 824   |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.14 | 0.13    | 0.14 | 1.80 | 0.00    | 0.00    | 0.47 | 0.47 | 0.00    | 0.11 | 0.11 | — | 448   | 448   | 0.01    | 0.02    | 0.60 | 454   |
| Vendor              | 0.05 | 0.01    | 0.58 | 0.31 | < 0.005 | 0.01    | 0.16 | 0.17 | < 0.005 | 0.04 | 0.05 | — | 540   | 540   | 0.03    | 0.08    | 0.51 | 566   |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.02 | 0.02    | 0.03 | 0.33 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 74.1  | 74.1  | < 0.005 | < 0.005 | 0.10 | 75.1  |
| Vendor              | 0.01 | < 0.005 | 0.11 | 0.06 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.5  | 89.5  | 0.01    | 0.01    | 0.08 | 93.8  |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|

### 3.11. Building 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) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 1.15 | 0.97 | 8.58 | 12.9 | 0.02    | 0.28    | —     | 0.28    | 0.25    | —      | 0.25    | —    | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.10 | 0.09 | 0.77 | 1.16 | < 0.005 | 0.02    | —     | 0.02    | 0.02    | —      | 0.02    | —    | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.02 | 0.14 | 0.21 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 35.7  | 35.7  | < 0.005 | < 0.005 | —    | 35.8  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.19    | 0.16    | 0.18    | 2.31 | 0.00    | 0.00    | 0.69    | 0.69    | 0.00    | 0.16    | 0.16    | — | 631  | 631  | 0.01    | 0.03    | 0.05 | 639  |
| Vendor              | 0.07    | 0.02    | 0.81    | 0.43 | 0.01    | 0.01    | 0.23    | 0.24    | 0.01    | 0.06    | 0.07    | — | 766  | 766  | 0.05    | 0.11    | 0.04 | 802  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.02    | 0.01    | 0.02    | 0.22 | 0.00    | 0.00    | 0.06    | 0.06    | 0.00    | 0.01    | 0.01    | — | 57.6 | 57.6 | < 0.005 | < 0.005 | 0.07 | 58.4 |
| Vendor              | 0.01    | < 0.005 | 0.07    | 0.04 | < 0.005 | < 0.005 | 0.02    | 0.02    | < 0.005 | 0.01    | 0.01    | — | 69.0 | 69.0 | < 0.005 | 0.01    | 0.06 | 72.2 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 9.54 | 9.54 | < 0.005 | < 0.005 | 0.01 | 9.66 |
| Vendor              | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.01 | 12.0 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.12. Building Construction (2029) - Mitigated

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

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

|                     |      |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipm ent | 1.15 | 0.97    | 8.58 | 12.9 | 0.02    | 0.28    | —    | 0.28    | 0.25    | —    | 0.25    | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipm ent | 0.10 | 0.09    | 0.77 | 1.16 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipm ent | 0.02 | 0.02    | 0.14 | 0.21 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 35.7  | 35.7  | < 0.005 | < 0.005 | —    | 35.8  |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.19 | 0.16    | 0.18 | 2.31 | 0.00    | 0.00    | 0.69 | 0.69    | 0.00    | 0.16 | 0.16    | — | 631   | 631   | 0.01    | 0.03    | 0.05 | 639   |
| Vendor              | 0.07 | 0.02    | 0.81 | 0.43 | 0.01    | 0.01    | 0.23 | 0.24    | 0.01    | 0.06 | 0.07    | — | 766   | 766   | 0.05    | 0.11    | 0.04 | 802   |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.02 | 0.01    | 0.02 | 0.22 | 0.00    | 0.00    | 0.06 | 0.06    | 0.00    | 0.01 | 0.01    | — | 57.6  | 57.6  | < 0.005 | < 0.005 | 0.07 | 58.4  |
| Vendor              | 0.01 | < 0.005 | 0.07 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02    | < 0.005 | 0.01 | 0.01    | — | 69.0  | 69.0  | < 0.005 | 0.01    | 0.06 | 72.2  |



|         |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |      |      |
|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual  | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 9.54 | 9.54 | < 0.005 | < 0.005 | 0.01 | 9.66 |
| Vendor  | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.01 | 12.0 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.13. Paving+ Landscaping (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  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01 | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01 | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |      |      |         |         |      |      |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| Off-Road            | 0.17 | 0.14 | 1.36 | 2.09 | < 0.005 | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 319  | 319  | 0.01    | < 0.005 | —    | 320  |
| Paving              | 0.05 | 0.05 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.03 | 0.03 | 0.25 | 0.38 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 52.8 | 52.8 | < 0.005 | < 0.005 | —    | 52.9 |
| Paving              | 0.01 | 0.01 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.06 | 0.06 | 0.05 | 0.87 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 195  | 195  | < 0.005 | 0.01    | 0.51 | 198  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.05 | 0.05 | 0.05 | 0.66 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 179  | 179  | < 0.005 | 0.01    | 0.01 | 182  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01 | 0.01 | 0.01 | 0.15 | 0.00    | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 0.05 | 38.9 |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —    | —    |

|         |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 0.01 | 6.43 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.14. Paving+ Landscaping (2029) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01    | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01    | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.80 | 0.67 | 6.46 | 9.92 | 0.01    | 0.24  | —     | 0.24  | 0.22   | —      | 0.22   | —    | 1,511 | 1,511 | 0.06 | 0.01    | —    | 1,516 |
| Paving              | 0.25 | 0.25 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.17 | 0.14 | 1.36 | 2.09 | < 0.005 | 0.05  | —     | 0.05  | 0.05   | —      | 0.05   | —    | 319   | 319   | 0.01 | < 0.005 | —    | 320   |

|                     |         |         |         |      |         |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------|---------|---------|---------|------|---------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Paving              | 0.05    | 0.05    | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.03    | 0.03    | 0.25    | 0.38 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —       | 0.01    | — | 52.8 | 52.8 | < 0.005 | < 0.005 | —    | 52.9 |
| Paving              | 0.01    | 0.01    | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.06    | 0.06    | 0.05    | 0.87 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 195  | 195  | < 0.005 | 0.01    | 0.51 | 198  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.05    | 0.05    | 0.05    | 0.66 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05    | 0.05    | — | 179  | 179  | < 0.005 | 0.01    | 0.01 | 182  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.15 | 0.00    | 0.00 | 0.04 | 0.04 | 0.00 | 0.01    | 0.01    | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 0.05 | 38.9 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00    | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 0.01 | 6.43 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|

### 3.15. Architectural Coating (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)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.12 | 0.10 | 0.79 | 1.11 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 134   | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 29.5 | 29.5 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01 | 0.01 | 0.06 | 0.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 10.6  | 10.6 | < 0.005 | < 0.005 | —    | 10.6 |
| Architectural Coatings | 2.34 | 2.34 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |

|                        |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.76 | 1.76 | < 0.005 | < 0.005 | —       | 1.76 |
| Architectural Coatings | 0.43    | 0.43    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.04    | 0.03    | 0.04    | 0.46 | 0.00    | 0.00    | 0.14    | 0.14    | 0.00    | 0.03    | 0.03    | — | 126  | 126  | < 0.005 | 0.01    | 0.01    | 128  |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 0.01    | 10.3 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | < 0.005 | 1.71 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Architectural Coating (2029) - Mitigated

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

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

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.12    | 0.10    | 0.79 | 1.11 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 29.5    | 29.5    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.06 | 0.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 10.6 | 10.6 | < 0.005 | < 0.005 | —    | 10.6 |
| Architectural Coatings | 2.34    | 2.34    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.76 | 1.76 | < 0.005 | < 0.005 | —    | 1.76 |
| Architectural Coatings | 0.43    | 0.43    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|                     |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.03    | 0.04    | 0.46 | 0.00 | 0.00 | 0.14    | 0.14    | 0.00 | 0.03    | 0.03    | — | 126  | 126  | < 0.005 | 0.01    | 0.01    | 128  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 0.01    | 10.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | < 0.005 | 1.71 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.17. Utilities Trenching and Installation (2027) - Unmitigated

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

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



|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.20    | 0.16    | 1.22    | 1.41 | < 0.005 | 0.04    | —       | 0.04    | 0.04    | —       | 0.04    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11    | 0.12 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 18.2 | 18.2 | < 0.005 | < 0.005 | —       | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 3.01 | 3.01 | < 0.005 | < 0.005 | —       | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13 | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 31.0 | 31.0 | < 0.005 | < 0.005 | < 0.005 | 31.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.76 | 2.76 | < 0.005 | < 0.005 | < 0.005 | 2.79 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.46 | 0.46 | < 0.005 | < 0.005 | < 0.005 | 0.46 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.18. Utilities Trenching and Installation (2027) - Mitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.20    | 0.16    | 1.22 | 1.41 | < 0.005 | 0.04    | —     | 0.04    | 0.04    | —      | 0.04    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11 | 0.12 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 18.2  | 18.2 | < 0.005 | < 0.005 | —    | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 3.01  | 3.01 | < 0.005 | < 0.005 | —    | 3.02 |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.13    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 31.0 | 31.0 | < 0.005 | < 0.005 | < 0.005 | 31.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.76 | 2.76 | < 0.005 | < 0.005 | < 0.005 | 2.79 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.46 | 0.46 | < 0.005 | < 0.005 | < 0.005 | 0.46 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Annual                  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |

## 4.1.2. Mitigated

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

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

|                         |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| Medical Office Building | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 13.2 | 12.0 | 10.3 | 102  | 0.27 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 27,868 | 27,868 | 1.21 | 1.25 | 70.4 | 28,342 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 12.4 | 11.2 | 11.0 | 86.1 | 0.25 | 0.17 | 25.0 | 25.2 | 0.16 | 6.36 | 6.51 | — | 26,142 | 26,142 | 1.26 | 1.29 | 1.82 | 26,560 |
| Annual                  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 1.75 | 1.58 | 1.59 | 12.7 | 0.04 | 0.02 | 3.50 | 3.52 | 0.02 | 0.89 | 0.91 | — | 3,403  | 3,403  | 0.16 | 0.17 | 3.91 | 3,461  |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |       |       |         |         |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|---------|---------|---|-------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | —     | —     | —       | —       | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | —     | —     | —       | —       | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 695   | 695   | 0.04    | 0.01    | — | 697   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 68.4  | 68.4  | < 0.005 | < 0.005 | — | 68.6  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 763   | 763   | 0.05    | 0.01    | — | 766   |

#### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 4,197 | 4,197 | 0.26 | 0.03 | — | 4,213 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |       |       |         |         |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|---------|---------|---|-------|
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | —     | —     | —       | —       | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 4,197 | 4,197 | 0.26    | 0.03    | — | 4,213 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 413   | 413   | 0.03    | < 0.005 | — | 415   |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 4,610 | 4,610 | 0.29    | 0.03    | — | 4,627 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | —     | —     | —       | —       | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 695   | 695   | 0.04    | 0.01    | — | 697   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | — | 68.4  | 68.4  | < 0.005 | < 0.005 | — | 68.6  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | 763   | 763   | 0.05    | 0.01    | — | 766   |

#### 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)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01 | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | —     | 0.00  | 0.00   | —      | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01 | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |

|                         |      |      |      |      |         |      |   |      |      |   |      |   |       |       |      |         |   |       |
|-------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|-------|-------|------|---------|---|-------|
| Daily, Winter (Max)     | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Annual                  | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

| Land Use                | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R | CO2e  |
|-------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|---|-------|
| Daily, Summer (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01 | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | —     | 0.00  | 0.00   | —      | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01 | 0.09  | —     | 0.09  | 0.09   | —      | 0.09   | —    | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | — | —     |



|                         |      |      |      |      |         |      |   |      |      |   |      |   |       |       |      |         |   |       |
|-------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|-------|-------|------|---------|---|-------|
| Medical Office Building | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.13 | 0.07 | 1.22 | 1.02 | 0.01    | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 1,451 | 1,451 | 0.13 | < 0.005 | — | 1,455 |
| Annual                  | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —     | —     | —    | —       | — | —     |
| Medical Office Building | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | — | 0.00  |
| Total                   | 0.02 | 0.01 | 0.22 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 240   | 240   | 0.02 | < 0.005 | — | 241   |

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 3.56 | 3.56 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Landscape Equipment    | 1.28 | 1.18 | 0.06 | 7.18 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 29.5  | 29.5 | < 0.005 | < 0.005 | — | 29.6 |
| Total                  | 5.07 | 4.97 | 0.06 | 7.18 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 29.5  | 29.5 | < 0.005 | < 0.005 | — | 29.6 |

|                        |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 3.56 | 3.56 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                  | 3.79 | 3.79 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.65 | 0.65 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.04 | 0.04 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.16 | 0.15 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |
| Total                  | 0.85 | 0.84 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |

#### 4.3.2. Mitigated

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

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

|                        |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Consumer Products      | 3.29 | 3.29 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 1.28 | 1.18 | 0.06 | 7.18 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 29.5 | 29.5 | < 0.005 | < 0.005 | — | 29.6 |
| Total                  | 4.80 | 4.71 | 0.06 | 7.18 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 29.5 | 29.5 | < 0.005 | < 0.005 | — | 29.6 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 3.29 | 3.29 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.23 | 0.23 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                  | 3.53 | 3.53 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.60 | 0.60 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.04 | 0.04 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.16 | 0.15 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |

|       |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|-------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Total | 0.80 | 0.79 | 0.01 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.35 | 3.35 | < 0.005 | < 0.005 | — | 3.36 |
|-------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |

## 4.4.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 39.7 | 256   | 296  | 4.08 | 0.10 | — | 428  |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 6.57 | 42.5  | 49.0 | 0.68 | 0.02 | — | 70.8 |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 960  | 0.00  | 960  | 96.0 | 0.00 | — | 3,360 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 159  | 0.00  | 159  | 15.9 | 0.00 | — | 556   |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 159  | 0.00  | 159  | 15.9 | 0.00 | — | 556   |

## 4.5.2. Mitigated

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

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

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Daily, Summer (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 960  | 0.00 | 960  | 96.0 | 0.00 | — | 3,360 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 159  | 0.00 | 159  | 15.9 | 0.00 | — | 556   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 159  | 0.00 | 159  | 15.9 | 0.00 | — | 556   |

## 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)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |

#### 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 4.22 | 4.22 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 4.22 | 4.22 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |



|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.22 | 4.22 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.70 | 0.70 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

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

### 4.7.2. Mitigated

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

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

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

### 4.8.2. Mitigated

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

| Equipm<br>ent             | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.9. 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<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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.10. 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<br>on            | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

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

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

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

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

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

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

## 5. Activity Data



## 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date   | Days Per Week | Work Days per Phase | Phase Description    |
|--------------------------------------|-----------------------|------------|------------|---------------|---------------------|----------------------|
| Demolition                           | Demolition            | 9/1/2027   | 9/30/2027  | 5.00          | 22.0                | —                    |
| Site Preparation                     | Site Preparation      | 10/1/2027  | 11/1/2027  | 5.00          | 22.0                | —                    |
| Grading                              | Grading               | 12/16/2027 | 1/15/2028  | 5.00          | 22.0                | —                    |
| Building Construction                | Building Construction | 1/16/2028  | 2/15/2029  | 5.00          | 284                 | —                    |
| Paving+ Landscaping                  | Paving                | 3/29/2029  | 7/15/2029  | 5.00          | 77.0                | Landscaping + paving |
| Architectural Coating                | Architectural Coating | 2/16/2029  | 3/28/2029  | 5.00          | 29.0                | —                    |
| Utilities Trenching and Installation | Trenching             | 11/2/2027  | 12/15/2027 | 5.00          | 32.0                | —                    |

## 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     | 1.00           | 8.00          | 33.0       | 0.73        |
| Demolition            | Off-Highway Trucks         | Diesel    | Average     | 1.00           | 8.00          | 376        | 0.38        |
| Demolition            | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Grading               | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |
| Grading               | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 8.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ Landscaping                  | Pavers                     | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers                    | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Demolition            | Concrete/Industrial Saws   | Diesel    | Average     | 1.00           | 8.00          | 33.0       | 0.73        |
| Demolition            | Off-Highway Trucks         | Diesel    | Average     | 1.00           | 8.00          | 376        | 0.38        |
| Demolition            | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Grading               | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |
| Grading               | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 8.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 3.00           | 8.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |

|                                      |                       |        |         |      |      |      |      |
|--------------------------------------|-----------------------|--------|---------|------|------|------|------|
| Building Construction                | Tractors/Loaders/Back | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders               | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ Landscaping                  | Pavers                | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment      | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers               | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors       | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers             | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation      | —            | —                     | —              | —             |
| Site Preparation      | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Grading               | —            | —                     | —              | —             |
| Grading               | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |
| Grading               | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Grading               | Hauling      | 0.00                  | 20.0           | HHDT          |
| Grading               | Onsite truck | —                     | —              | HHDT          |
| Building Construction | —            | —                     | —              | —             |
| Building Construction | Worker       | 52.8                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 27.0                  | 10.2           | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving+ Landscaping   | —            | —                     | —              | —             |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 10.6 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Demolition                           | —            | —    | —    | —             |
| Demolition                           | Worker       | 2.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition                           | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Demolition                           | Hauling      | 2.00 | 20.0 | HHDT          |
| Demolition                           | Onsite truck | —    | —    | HHDT          |

### 5.3.2. Mitigated

| Phase Name       | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | —            | —                     | —              | —             |
| Site Preparation | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation | Onsite truck | —                     | —              | HHDT          |
| Grading          | —            | —                     | —              | —             |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Grading                              | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading                              | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Grading                              | Hauling      | 0.00 | 20.0 | HHDT          |
| Grading                              | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 52.8 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 27.0 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ Landscaping                  | —            | —    | —    | —             |
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 10.6 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Demolition                           | —            | —    | —    | —             |
| Demolition                           | Worker       | 2.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition                           | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Demolition                           | Hauling      | 2.00 | 20.0 | HHDT          |

|            |              |   |   |      |
|------------|--------------|---|---|------|
| Demolition | 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%             |
| Sweep paved roads once per month                | 9%             | 9%              |

## 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 | 0.00                                     | 0.00                                     | 247,500                                      | 82,500                                       | 19,406                      |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (Ton of Debris) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------------|---------------------|
| Demolition          | 0.00                   | 0.00                   | 0.00                 | 5,169                               | —                   |
| Site Preparation    | —                      | —                      | 33.0                 | 0.00                                | —                   |
| Grading             | —                      | —                      | 22.0                 | 0.00                                | —                   |
| Paving+ Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                                | 7.42                |

### 5.6.2. Construction Earthmoving Control Strategies

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

|                       |   |     |     |
|-----------------------|---|-----|-----|
| Water Demolished Area | 2 | 36% | 36% |
|-----------------------|---|-----|-----|

## 5.7. Construction Paving

| Land Use                | Area Paved (acres) | % Asphalt |
|-------------------------|--------------------|-----------|
| Medical Office Building | 0.00               | 0%        |
| Parking Lot             | 7.42               | 100%      |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2027 | 0.00         | 532 | 0.03 | < 0.005 |
| 2028 | 0.00         | 532 | 0.03 | < 0.005 |
| 2029 | 0.00         | 532 | 0.03 | < 0.005 |

## 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   |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|------------|
| Medical Office Building | 3,683         | 1,414          | 234          | 1,046,108  | 35,291      | 13,550       | 2,245      | 10,024,528 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00       |

### 5.9.2. Mitigated

| Land Use Type           | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMt/Weekday | VMt/Saturday | VMt/Sunday | VMt/Year   |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|------------|
| Medical Office Building | 3,683         | 1,414          | 234          | 1,046,108  | 35,291      | 13,550       | 2,245      | 10,024,528 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00       |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 247,500                                      | 82,500                                       | 19,406                      |

### 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 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) |
|-------------------------|----------------------|-----|--------|--------|-----------------------|
| Medical Office Building | 2,879,561            | 532 | 0.0330 | 0.0040 | 4,527,603             |



|             |         |     |        |        |      |
|-------------|---------|-----|--------|--------|------|
| Parking Lot | 283,327 | 532 | 0.0330 | 0.0040 | 0.00 |
|-------------|---------|-----|--------|--------|------|

### 5.11.2. Mitigated

#### 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) |
|-------------------------|----------------------|-----|--------|--------|-----------------------|
| Medical Office Building | 2,879,561            | 532 | 0.0330 | 0.0040 | 4,527,603             |
| Parking Lot             | 283,327              | 532 | 0.0330 | 0.0040 | 0.00                  |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 20,704,289              | 6,600,300                |
| Parking Lot             | 0.00                    | 0.00                     |

### 5.12.2. Mitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 20,704,289              | 6,600,300                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 1,782            | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.13.2. Mitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 1,782            | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.14.2. Mitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

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

## 5.18.1.2. Mitigated

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

## 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

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

## 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | 100                             |
| AQ-PM                           | 57.4                            |
| AQ-DPM                          | 82.8                            |
| Drinking Water                  | 96.3                            |
| Lead Risk Housing               | 29.2                            |
| Pesticides                      | 74.7                            |
| Toxic Releases                  | 44.2                            |
| Traffic                         | 81.0                            |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 81.9                            |
| Groundwater                     | 47.6                            |
| Haz Waste Facilities/Generators | 96.8                            |
| Impaired Water Bodies           | 12.5                            |
| Solid Waste                     | 0.00                            |
| Sensitive Population            | —                               |
| Asthma                          | 34.7                            |

|                                 |      |
|---------------------------------|------|
| Cardio-vascular                 | 45.1 |
| Low Birth Weights               | 75.6 |
| Socioeconomic Factor Indicators | —    |
| Education                       | 39.2 |
| Housing                         | 89.1 |
| Linguistic                      | 17.3 |
| Poverty                         | 55.9 |
| Unemployment                    | 14.4 |

## 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          | 37.76466059                     |
| Employed               | 27.51186963                     |
| Median HI              | 26.53663544                     |
| Education              | —                               |
| Bachelor's or higher   | 60.5800077                      |
| High school enrollment | 100                             |
| Preschool enrollment   | 11.52316181                     |
| Transportation         | —                               |
| Auto Access            | 62.47914795                     |
| Active commuting       | 28.56409598                     |
| Social                 | —                               |
| 2-parent households    | 37.02040293                     |
| Voting                 | 39.83061722                     |
| Neighborhood           | —                               |
| Alcohol availability   | 30.07827538                     |

|                                              |             |
|----------------------------------------------|-------------|
| Park access                                  | 50.53252919 |
| Retail density                               | 65.94379571 |
| Supermarket access                           | 72.28281791 |
| Tree canopy                                  | 43.62889773 |
| Housing                                      | —           |
| Homeownership                                | 9.303220839 |
| Housing habitability                         | 37.12305916 |
| Low-inc homeowner severe housing cost burden | 73.38637239 |
| Low-inc renter severe housing cost burden    | 66.31592455 |
| Uncrowded housing                            | 31.19466188 |
| Health Outcomes                              | —           |
| Insured adults                               | 48.58206082 |
| Arthritis                                    | 92.2        |
| Asthma ER Admissions                         | 65.8        |
| High Blood Pressure                          | 95.2        |
| Cancer (excluding skin)                      | 82.6        |
| Asthma                                       | 30.0        |
| Coronary Heart Disease                       | 94.7        |
| Chronic Obstructive Pulmonary Disease        | 71.2        |
| Diagnosed Diabetes                           | 92.6        |
| Life Expectancy at Birth                     | 79.7        |
| Cognitively Disabled                         | 52.2        |
| Physically Disabled                          | 60.6        |
| Heart Attack ER Admissions                   | 32.7        |
| Mental Health Not Good                       | 41.5        |
| Chronic Kidney Disease                       | 95.6        |
| Obesity                                      | 56.2        |
| Pedestrian Injuries                          | 53.3        |



|                                       |      |
|---------------------------------------|------|
| Physical Health Not Good              | 67.2 |
| Stroke                                | 91.3 |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 13.6 |
| Current Smoker                        | 36.3 |
| No Leisure Time for Physical Activity | 67.1 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 7.3  |
| Elderly                               | 81.9 |
| English Speaking                      | 84.0 |
| Foreign-born                          | 37.0 |
| Outdoor Workers                       | 85.1 |
| Climate Change Adaptive Capacity      | —    |
| Impervious Surface Cover              | 69.4 |
| Traffic Density                       | 74.6 |
| Traffic Access                        | 23.0 |
| Other Indices                         | —    |
| Hardship                              | 54.2 |
| Other Decision Support                | —    |
| 2016 Voting                           | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                    | Result for Project Census Tract |
|---------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                        | 72.0                            |
| Healthy Places Index Score for Project Location (b)                       | 32.0                            |
| 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

| Screen                               | Justification                                  |           |                                    |                  |           |
|--------------------------------------|------------------------------------------------|-----------|------------------------------------|------------------|-----------|
| Land Use                             | Phase Description<br>Sq. Ft.                   |           | Purpose                            | Building Sq. Ft. | Footprint |
|                                      | 1                                              | ASC/MOB 2 | Ambulatory Surgery/ Medical Office | 165,000          | 36,000    |
| Construction: Construction Phases    | Sent by Client.                                |           |                                    |                  |           |
| Construction: Off-Road Equipment     | default                                        |           |                                    |                  |           |
| Construction: Architectural Coatings | SCAQMD RULE 1113                               |           |                                    |                  |           |
| Operations: Architectural Coatings   | SCAQMD RULE 1113                               |           |                                    |                  |           |
| Operations: Vehicle Data             | VMT Traffic study                              |           |                                    |                  |           |
| Construction: Trips and VMT          | demolition- concrete structure and parking lot |           |                                    |                  |           |

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## **APPENDIX D2.6**

### **Phase 2 CalEEMod Without Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center- Phase 2 Detailed Report

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## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                     |
|-----------------------------|-----------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center- Phase 2 |
| Construction Start Date     | 11/1/2035                                                 |
| Operational Year            | 2039                                                      |
| Lead Agency                 | —                                                         |
| Land Use Scale              | Project/site                                              |
| Analysis Level for Defaults | County                                                    |
| Windspeed (m/s)             | 2.50                                                      |
| Precipitation (days)        | 24.0                                                      |
| Location                    | 34.07231170887854, -117.22884775664832                    |
| County                      | San Bernardino-South Coast                                |
| City                        | Redlands                                                  |
| Air District                | South Coast AQMD                                          |
| Air Basin                   | South Coast                                               |
| TAZ                         | 5394                                                      |
| EDFZ                        | 10                                                        |
| Electric Utility            | Southern California Edison                                |
| Gas Utility                 | Southern California Gas                                   |
| App Version                 | 2022.1.1.29                                               |

## 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 |
|------------------|------|------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Hospital         | 213  | Bed  | 2.80        | 400,000               | 602,000                | —                              | —          | —           |

|                                |       |          |      |         |      |   |   |                  |
|--------------------------------|-------|----------|------|---------|------|---|---|------------------|
| Enclosed Parking with Elevator | 1,288 | Space    | 11.6 | 515,200 | 0.00 | — | — | —                |
| General Office Building        | 35.0  | 1000sqft | 0.34 | 35,000  | 0.00 | — | — | Utility Building |

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

| Sector       | #    | Measure Title                       |
|--------------|------|-------------------------------------|
| Construction | C-9  | Use Dust Suppressants               |
| Construction | C-13 | Use Low-VOC Paints for Construction |
| Area Sources | AS-1 | Use Low-VOC Cleaning Supplies       |
| Area Sources | AS-2 | Use Low-VOC Paints                  |

## 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.              | 49.5 | 49.4 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| Mit.                | 49.5 | 49.4 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 49.5 | 49.4 | 19.2 | 24.8 | 0.06 | 0.74  | 7.89  | 8.63  | 0.68   | 3.99   | 4.67   | —    | 9,769  | 9,769  | 0.30 | 0.60 | 0.20 | 9,954  |
| Mit.                | 49.5 | 49.4 | 19.2 | 24.8 | 0.06 | 0.74  | 7.89  | 8.63  | 0.68   | 3.99   | 4.67   | —    | 9,769  | 9,769  | 0.30 | 0.60 | 0.20 | 9,954  |

|                     |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Average Daily (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 6.65 | 6.55 | 7.91 | 17.6 | 0.04 | 0.19 | 4.21 | 4.35 | 0.18 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21 | 0.40 | 1.97 | 7,040 |
| Mit.                | 6.65 | 6.55 | 7.91 | 17.6 | 0.04 | 0.19 | 4.21 | 4.35 | 0.18 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21 | 0.40 | 1.97 | 7,040 |
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max)        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 1.21 | 1.20 | 1.44 | 3.22 | 0.01 | 0.03 | 0.77 | 0.79 | 0.03 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03 | 0.07 | 0.33 | 1,166 |
| Mit.                | 1.21 | 1.20 | 1.44 | 3.22 | 0.01 | 0.03 | 0.77 | 0.79 | 0.03 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03 | 0.07 | 0.33 | 1,166 |
| % Reduced           | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2036                 | 2.76 | 2.33 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| 2037                 | 2.07 | 1.73 | 10.9 | 27.5 | 0.06 | 0.19  | 5.98  | 6.17  | 0.18   | 1.46   | 1.64   | —    | 9,966  | 9,966  | 0.29 | 0.56 | 6.39 | 10,146 |
| 2038                 | 1.99 | 1.68 | 10.6 | 26.9 | 0.06 | 0.19  | 5.98  | 6.17  | 0.17   | 1.46   | 1.63   | —    | 9,831  | 9,831  | 0.29 | 0.56 | 5.39 | 10,010 |
| 2039                 | 49.5 | 49.4 | 5.32 | 10.3 | 0.01 | 0.11  | 0.93  | 0.93  | 0.10   | 0.22   | 0.22   | —    | 1,684  | 1,684  | 0.06 | 0.01 | 0.60 | 1,690  |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2035                 | 2.97 | 2.50 | 19.2 | 23.4 | 0.05 | 0.74  | 7.89  | 8.63  | 0.68   | 3.99   | 4.67   | —    | 5,488  | 5,488  | 0.22 | 0.04 | 0.01 | 5,507  |
| 2036                 | 2.83 | 2.39 | 18.0 | 24.8 | 0.06 | 0.67  | 7.89  | 8.57  | 0.62   | 3.99   | 4.61   | —    | 9,769  | 9,769  | 0.30 | 0.60 | 0.20 | 9,954  |
| 2037                 | 2.03 | 1.68 | 11.1 | 24.1 | 0.06 | 0.19  | 5.98  | 6.17  | 0.18   | 1.46   | 1.64   | —    | 9,629  | 9,629  | 0.29 | 0.56 | 0.17 | 9,803  |

|               |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |         |       |
|---------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|---------|-------|
| 2038          | 1.97 | 1.66 | 10.9 | 23.8 | 0.06    | 0.19 | 5.98 | 6.17 | 0.17 | 1.46 | 1.63 | — | 9,497 | 9,497 | 0.29    | 0.56    | 0.14    | 9,671 |
| 2039          | 49.5 | 49.4 | 10.7 | 23.3 | 0.06    | 0.18 | 5.98 | 6.16 | 0.17 | 1.46 | 1.63 | — | 9,386 | 9,386 | 0.25    | 0.52    | 0.12    | 9,548 |
| Average Daily | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035          | 0.35 | 0.30 | 2.29 | 2.80 | 0.01    | 0.09 | 0.94 | 1.03 | 0.08 | 0.48 | 0.56 | — | 655   | 655   | 0.03    | 0.01    | 0.01    | 658   |
| 2036          | 1.26 | 1.06 | 7.13 | 13.4 | 0.03    | 0.19 | 2.72 | 2.91 | 0.18 | 0.80 | 0.98 | — | 4,533 | 4,533 | 0.15    | 0.20    | 1.05    | 4,596 |
| 2037          | 1.45 | 1.20 | 7.91 | 17.6 | 0.04    | 0.14 | 4.21 | 4.35 | 0.13 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21    | 0.40    | 1.97    | 7,040 |
| 2038          | 1.41 | 1.19 | 7.78 | 17.3 | 0.04    | 0.13 | 4.21 | 4.34 | 0.12 | 1.03 | 1.15 | — | 6,820 | 6,820 | 0.21    | 0.40    | 1.66    | 6,945 |
| 2039          | 6.65 | 6.55 | 3.48 | 7.18 | 0.01    | 0.07 | 0.84 | 0.90 | 0.06 | 0.20 | 0.26 | — | 1,837 | 1,837 | 0.06    | 0.06    | 0.27    | 1,857 |
| Annual        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035          | 0.06 | 0.05 | 0.42 | 0.51 | < 0.005 | 0.02 | 0.17 | 0.19 | 0.01 | 0.09 | 0.10 | — | 109   | 109   | < 0.005 | < 0.005 | < 0.005 | 109   |
| 2036          | 0.23 | 0.19 | 1.30 | 2.44 | 0.01    | 0.03 | 0.50 | 0.53 | 0.03 | 0.15 | 0.18 | — | 750   | 750   | 0.03    | 0.03    | 0.17    | 761   |
| 2037          | 0.26 | 0.22 | 1.44 | 3.22 | 0.01    | 0.03 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03    | 0.07    | 0.33    | 1,166 |
| 2038          | 0.26 | 0.22 | 1.42 | 3.16 | 0.01    | 0.02 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,129 | 1,129 | 0.03    | 0.07    | 0.28    | 1,150 |
| 2039          | 1.21 | 1.20 | 0.64 | 1.31 | < 0.005 | 0.01 | 0.15 | 0.17 | 0.01 | 0.04 | 0.05 | — | 304   | 304   | 0.01    | 0.01    | 0.04    | 307   |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|----------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily - Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2036                 | 2.76 | 2.33 | 15.9 | 28.1 | 0.06 | 0.58  | 5.98  | 6.18  | 0.53   | 1.49   | 2.02   | —    | 10,109 | 10,109 | 0.30 | 0.59 | 7.55 | 10,301 |
| 2037                 | 2.07 | 1.73 | 10.9 | 27.5 | 0.06 | 0.19  | 5.98  | 6.17  | 0.18   | 1.46   | 1.64   | —    | 9,966  | 9,966  | 0.29 | 0.56 | 6.39 | 10,146 |
| 2038                 | 1.99 | 1.68 | 10.6 | 26.9 | 0.06 | 0.19  | 5.98  | 6.17  | 0.17   | 1.46   | 1.63   | —    | 9,831  | 9,831  | 0.29 | 0.56 | 5.39 | 10,010 |
| 2039                 | 49.5 | 49.4 | 5.32 | 10.3 | 0.01 | 0.11  | 0.93  | 0.93  | 0.10   | 0.22   | 0.22   | —    | 1,684  | 1,684  | 0.06 | 0.01 | 0.60 | 1,690  |
| Daily - Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| 2035                 | 2.97 | 2.50 | 19.2 | 23.4 | 0.05 | 0.74  | 7.89  | 8.63  | 0.68   | 3.99   | 4.67   | —    | 5,488  | 5,488  | 0.22 | 0.04 | 0.01 | 5,507  |

|               |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |         |       |
|---------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|---------|-------|
| 2036          | 2.83 | 2.39 | 18.0 | 24.8 | 0.06    | 0.67 | 7.89 | 8.57 | 0.62 | 3.99 | 4.61 | — | 9,769 | 9,769 | 0.30    | 0.60    | 0.20    | 9,954 |
| 2037          | 2.03 | 1.68 | 11.1 | 24.1 | 0.06    | 0.19 | 5.98 | 6.17 | 0.18 | 1.46 | 1.64 | — | 9,629 | 9,629 | 0.29    | 0.56    | 0.17    | 9,803 |
| 2038          | 1.97 | 1.66 | 10.9 | 23.8 | 0.06    | 0.19 | 5.98 | 6.17 | 0.17 | 1.46 | 1.63 | — | 9,497 | 9,497 | 0.29    | 0.56    | 0.14    | 9,671 |
| 2039          | 49.5 | 49.4 | 10.7 | 23.3 | 0.06    | 0.18 | 5.98 | 6.16 | 0.17 | 1.46 | 1.63 | — | 9,386 | 9,386 | 0.25    | 0.52    | 0.12    | 9,548 |
| Average Daily | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035          | 0.35 | 0.30 | 2.29 | 2.80 | 0.01    | 0.09 | 0.94 | 1.03 | 0.08 | 0.48 | 0.56 | — | 655   | 655   | 0.03    | 0.01    | 0.01    | 658   |
| 2036          | 1.26 | 1.06 | 7.13 | 13.4 | 0.03    | 0.19 | 2.72 | 2.91 | 0.18 | 0.80 | 0.98 | — | 4,533 | 4,533 | 0.15    | 0.20    | 1.05    | 4,596 |
| 2037          | 1.45 | 1.20 | 7.91 | 17.6 | 0.04    | 0.14 | 4.21 | 4.35 | 0.13 | 1.03 | 1.15 | — | 6,914 | 6,914 | 0.21    | 0.40    | 1.97    | 7,040 |
| 2038          | 1.41 | 1.19 | 7.78 | 17.3 | 0.04    | 0.13 | 4.21 | 4.34 | 0.12 | 1.03 | 1.15 | — | 6,820 | 6,820 | 0.21    | 0.40    | 1.66    | 6,945 |
| 2039          | 6.65 | 6.55 | 3.48 | 7.18 | 0.01    | 0.07 | 0.84 | 0.90 | 0.06 | 0.20 | 0.26 | — | 1,837 | 1,837 | 0.06    | 0.06    | 0.27    | 1,857 |
| Annual        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| 2035          | 0.06 | 0.05 | 0.42 | 0.51 | < 0.005 | 0.02 | 0.17 | 0.19 | 0.01 | 0.09 | 0.10 | — | 109   | 109   | < 0.005 | < 0.005 | < 0.005 | 109   |
| 2036          | 0.23 | 0.19 | 1.30 | 2.44 | 0.01    | 0.03 | 0.50 | 0.53 | 0.03 | 0.15 | 0.18 | — | 750   | 750   | 0.03    | 0.03    | 0.17    | 761   |
| 2037          | 0.26 | 0.22 | 1.44 | 3.22 | 0.01    | 0.03 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,145 | 1,145 | 0.03    | 0.07    | 0.33    | 1,166 |
| 2038          | 0.26 | 0.22 | 1.42 | 3.16 | 0.01    | 0.02 | 0.77 | 0.79 | 0.02 | 0.19 | 0.21 | — | 1,129 | 1,129 | 0.03    | 0.07    | 0.28    | 1,150 |
| 2039          | 1.21 | 1.20 | 0.64 | 1.31 | < 0.005 | 0.01 | 0.15 | 0.17 | 0.01 | 0.04 | 0.05 | — | 304   | 304   | 0.01    | 0.01    | 0.04    | 307   |

## 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.              | 29.0 | 27.3 | 9.32 | 144 | 0.31 | 0.21  | 32.3  | 32.5  | 0.19   | 8.19   | 8.38   | 401  | 31,816 | 32,217 | 41.3 | 1.44 | 21.2 | 33,699 |
| Mit.                | 28.3 | 26.6 | 9.32 | 144 | 0.31 | 0.21  | 32.3  | 32.5  | 0.19   | 8.19   | 8.38   | 401  | 31,816 | 32,217 | 41.3 | 1.44 | 21.2 | 33,699 |
| % Reduced           | 2%   | 3%   | —    | —   | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |



|                     |      |      |      |      |      |      |      |      |      |      |      |      |        |        |      |      |      |        |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|------|------|------|--------|
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 21.2 | 20.1 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4 | 1.47 | 1.24 | 31,540 |
| Mit.                | 20.5 | 19.4 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4 | 1.47 | 1.24 | 31,540 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 23.9 | 22.6 | 8.09 | 99.9 | 0.23 | 0.16 | 25.7 | 25.8 | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1 | 1.22 | 7.84 | 26,168 |
| Mit.                | 23.2 | 22.0 | 8.09 | 99.9 | 0.23 | 0.16 | 25.7 | 25.8 | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1 | 1.22 | 7.84 | 26,168 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |
| Annual (Max)        | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 4.36 | 4.13 | 1.48 | 18.2 | 0.04 | 0.03 | 4.68 | 4.71 | 0.03 | 1.19 | 1.22 | 66.4 | 4,034  | 4,101  | 6.81 | 0.20 | 1.30 | 4,332  |
| Mit.                | 4.23 | 4.01 | 1.48 | 18.2 | 0.04 | 0.03 | 4.68 | 4.71 | 0.03 | 1.19 | 1.22 | 66.4 | 4,034  | 4,101  | 6.81 | 0.20 | 1.30 | 4,332  |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —      | —      | —    | —    | —    | —      |

## 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              | 11.9 | 10.9 | 8.97 | 102  | 0.31    | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31    | 20.5 | 31,758 |
| Area                | 17.0 | 16.4 | 0.35 | 41.3 | < 0.005 | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 170    | 170    | 0.01 | < 0.005 | —    | 171    |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 48.6 | 326    | 375    | 5.00 | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 353  | 0.00   | 353    | 35.3 | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —       | 0.71 | 0.71   |

|                     |      |      |      |      |         |      |      |      |      |      |      |      |        |        |         |         |      |        |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|------|--------|--------|---------|---------|------|--------|
| Total               | 29.0 | 27.3 | 9.32 | 144  | 0.31    | 0.21 | 32.3 | 32.5 | 0.19 | 8.19 | 8.38 | 401  | 31,816 | 32,217 | 41.3    | 1.44    | 21.2 | 33,699 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 11.5 | 10.5 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | —    | 29,338 | 29,338 | 1.09    | 1.35    | 0.53 | 29,769 |
| Area                | 9.65 | 9.65 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 21.2 | 20.1 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4    | 1.47    | 1.24 | 31,540 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.19 | 8.34 | 7.85 | 71.6 | 0.23    | 0.11 | 25.7 | 25.8 | 0.11 | 6.51 | 6.62 | —    | 23,924 | 23,924 | 0.88    | 1.10    | 7.13 | 24,281 |
| Area                | 14.7 | 14.3 | 0.24 | 28.3 | < 0.005 | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | —    | 116    | 116    | < 0.005 | < 0.005 | —    | 117    |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 23.9 | 22.6 | 8.09 | 99.9 | 0.23    | 0.16 | 25.7 | 25.8 | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1    | 1.22    | 7.84 | 26,168 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 1.68 | 1.52 | 1.43 | 13.1 | 0.04    | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | —    | 3,961  | 3,961  | 0.15    | 0.18    | 1.18 | 4,020  |
| Area                | 2.68 | 2.61 | 0.04 | 5.17 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | —    | 19.3   | 19.3   | < 0.005 | < 0.005 | —    | 19.3   |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 8.04 | 54.0   | 62.1   | 0.83    | 0.02    | —    | 88.7   |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 58.4 | 0.00   | 58.4   | 5.84    | 0.00    | —    | 204    |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.12 | 0.12   |
| Total               | 4.36 | 4.13 | 1.48 | 18.2 | 0.04    | 0.03 | 4.68 | 4.71 | 0.03 | 1.19 | 1.22 | 66.4 | 4,034  | 4,101  | 6.81    | 0.20    | 1.30 | 4,332  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 11.9 | 10.9 | 8.97 | 102  | 0.31    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | —    | 31,320 | 31,320 | 1.06    | 1.31    | 20.5 | 31,758 |
| Area                | 16.3 | 15.7 | 0.35 | 41.3 | < 0.005 | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | —    | 170    | 170    | 0.01    | < 0.005 | —    | 171    |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 28.3 | 26.6 | 9.32 | 144  | 0.31    | 0.21 | 32.3 | 32.5 | 0.19 | 8.19 | 8.38 | 401  | 31,816 | 32,217 | 41.3    | 1.44    | 21.2 | 33,699 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 11.5 | 10.5 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | —    | 29,338 | 29,338 | 1.09    | 1.35    | 0.53 | 29,769 |
| Area                | 8.96 | 8.96 | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 20.5 | 19.4 | 9.63 | 85.7 | 0.29    | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | 401  | 29,664 | 30,066 | 41.4    | 1.47    | 1.24 | 31,540 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 9.19 | 8.34 | 7.85 | 71.6 | 0.23    | 0.11 | 25.7 | 25.8 | 0.11 | 6.51 | 6.62 | —    | 23,924 | 23,924 | 0.88    | 1.10    | 7.13 | 24,281 |
| Area                | 14.0 | 13.6 | 0.24 | 28.3 | < 0.005 | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | —    | 116    | 116    | < 0.005 | < 0.005 | —    | 117    |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 48.6 | 326    | 375    | 5.00    | 0.12    | —    | 536    |
| Waste               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 353  | 0.00   | 353    | 35.3    | 0.00    | —    | 1,234  |
| Refrig.             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | 0.71 | 0.71   |
| Total               | 23.2 | 22.0 | 8.09 | 99.9 | 0.23    | 0.16 | 25.7 | 25.8 | 0.14 | 6.51 | 6.66 | 401  | 24,367 | 24,768 | 41.1    | 1.22    | 7.84 | 26,168 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 1.68 | 1.52 | 1.43 | 13.1 | 0.04    | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | —    | 3,961  | 3,961  | 0.15    | 0.18    | 1.18 | 4,020  |
| Area                | 2.55 | 2.48 | 0.04 | 5.17 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | —    | 19.3   | 19.3   | < 0.005 | < 0.005 | —    | 19.3   |
| Water               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | 8.04 | 54.0   | 62.1   | 0.83    | 0.02    | —    | 88.7   |

|         |      |      |      |      |      |      |      |      |      |      |      |      |       |       |      |      |      |       |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|-------|
| Waste   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 58.4 | 0.00  | 58.4  | 5.84 | 0.00 | —    | 204   |
| Refrig. | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —    | —    | 0.12 | 0.12  |
| Total   | 4.23 | 4.01 | 1.48 | 18.2 | 0.04 | 0.03 | 4.68 | 4.71 | 0.03 | 1.19 | 1.22 | 66.4 | 4,034 | 4,101 | 6.81 | 0.20 | 1.30 | 4,332 |

### 3. Construction Emissions Details

#### 3.1. Site Preparation (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)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.93 | 2.46 | 19.2 | 22.9 | 0.05 | 0.74  | —     | 0.74  | 0.68   | —      | 0.68   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 0.35 | 0.29 | 2.29 | 2.73 | 0.01 | 0.09  | —     | 0.09  | 0.08   | —      | 0.08   | —    | 632   | 632   | 0.03 | 0.01 | —    | 634   |

|                             |         |         |         |      |         |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.92    | 0.92    | —    | 0.47    | 0.47    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.06    | 0.05    | 0.42    | 0.50 | < 0.005 | 0.02 | —       | 0.02    | 0.01 | —       | 0.01    | — | 105  | 105  | < 0.005 | < 0.005 | —       | 105  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.17    | 0.17    | —    | 0.09    | 0.09    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.52 | 0.00    | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 192  | 192  | < 0.005 | < 0.005 | 0.01    | 193  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | < 0.005 | < 0.005 | 0.07 | 0.00    | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 23.3 | 23.3 | < 0.005 | < 0.005 | 0.01    | 23.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.86 | 3.86 | < 0.005 | < 0.005 | < 0.005 | 3.87 |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Vendor  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 3.2. Site Preparation (2035) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.93 | 2.46 | 19.2 | 22.9 | 0.05 | 0.74  | —     | 0.74  | 0.68   | —      | 0.68   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 0.35 | 0.29 | 2.29 | 2.73 | 0.01 | 0.09  | —     | 0.09  | 0.08   | —      | 0.08   | —    | 632   | 632   | 0.03 | 0.01 | —    | 634   |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 0.92  | 0.92  | —      | 0.47   | 0.47   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                             |         |         |         |      |         |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.06    | 0.05    | 0.42    | 0.50 | < 0.005 | 0.02 | —       | 0.02    | 0.01 | —       | 0.01    | — | 105  | 105  | < 0.005 | < 0.005 | —       | 105  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.17    | 0.17    | —    | 0.09    | 0.09    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.52 | 0.00    | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 192  | 192  | < 0.005 | < 0.005 | 0.01    | 193  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | < 0.005 | < 0.005 | 0.07 | 0.00    | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 23.3 | 23.3 | < 0.005 | < 0.005 | 0.01    | 23.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.86 | 3.86 | < 0.005 | < 0.005 | < 0.005 | 3.87 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.3. Site Preparation (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)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.79 | 2.35 | 18.0 | 21.7 | 0.05    | 0.67    | —     | 0.67    | 0.62    | —      | 0.62    | —    | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 7.67  | 7.67    | —       | 3.94   | 3.94    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.04 | 0.04 | 0.28 | 0.34 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 82.9  | 82.9  | < 0.005 | < 0.005 | —    | 83.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.12  | 0.12    | —       | 0.06   | 0.06    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.05 | 0.06 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 13.7  | 13.7  | < 0.005 | < 0.005 | —    | 13.8  |



|                             |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —    | —    | 0.02    | 0.02    | —    | 0.01    | 0.01    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.04    | 0.04    | 0.03    | 0.50    | 0.00 | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 191  | 191  | < 0.005 | < 0.005 | 0.01    | 191  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.02 | 3.02 | < 0.005 | < 0.005 | < 0.005 | 3.03 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.50 | 0.50 | < 0.005 | < 0.005 | < 0.005 | 0.50 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2036) - Mitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.79 | 2.35 | 18.0 | 21.7 | 0.05    | 0.67    | —    | 0.67    | 0.62    | —    | 0.62    | — | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 7.67 | 7.67    | —       | 3.94 | 3.94    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.04 | 0.04 | 0.28 | 0.34 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 82.9  | 82.9  | < 0.005 | < 0.005 | —    | 83.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.12 | 0.12    | —       | 0.06 | 0.06    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.05 | 0.06 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 13.7  | 13.7  | < 0.005 | < 0.005 | —    | 13.8  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.02 | 0.02    | —       | 0.01 | 0.01    | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.50    | 0.00 | 0.00 | 0.23    | 0.23    | 0.00 | 0.05    | 0.05    | — | 191  | 191  | < 0.005 | < 0.005 | 0.01    | 191  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.02 | 3.02 | < 0.005 | < 0.005 | < 0.005 | 3.03 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.50 | 0.50 | < 0.005 | < 0.005 | < 0.005 | 0.50 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Pad Grading (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 Equipment          | 2.71 | 2.28 | 15.9 | 24.1 | 0.06    | 0.58 | —    | 0.58 | 0.53 | —    | 0.53 | — | 6,596 | 6,596 | 0.27 | 0.05    | —    | 6,619 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 3.59 | 3.59 | —    | 1.42 | 1.42 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.53 | 0.44 | 3.08 | 4.69 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,283 | 1,283 | 0.05 | 0.01    | —    | 1,287 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.70 | 0.70 | —    | 0.28 | 0.28 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.56 | 0.86 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 212   | 212   | 0.01 | < 0.005 | —    | 213   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.13 | 0.13 | —    | 0.05 | 0.05 | — | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.05    | 0.05    | 0.03    | 0.77 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 237  | 237  | < 0.005 | < 0.005 | 0.27    | 238  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.12 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01    | 0.01    | — | 42.9 | 42.9 | < 0.005 | < 0.005 | 0.02    | 43.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.11 | 7.11 | < 0.005 | < 0.005 | < 0.005 | 7.13 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.6. Pad Grading (2036) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 2.71 | 2.28 | 15.9 | 24.1 | 0.06 | 0.58  | —     | 0.58  | 0.53   | —      | 0.53   | —    | 6,596 | 6,596 | 0.27 | 0.05 | — | 6,619 |

|                             |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 3.59 | 3.59 | —    | 1.42 | 1.42 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.53 | 0.44 | 3.08 | 4.69 | 0.01    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,283 | 1,283 | 0.05    | 0.01    | —    | 1,287 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.70 | 0.70 | —    | 0.28 | 0.28 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.56 | 0.86 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 212   | 212   | 0.01    | < 0.005 | —    | 213   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.13 | 0.13 | —    | 0.05 | 0.05 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker                      | 0.05 | 0.05 | 0.03 | 0.77 | 0.00    | 0.00 | 0.26 | 0.26 | 0.00 | 0.06 | 0.06 | — | 237   | 237   | < 0.005 | < 0.005 | 0.27 | 238   |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.12 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01    | 0.01    | — | 42.9 | 42.9 | < 0.005 | < 0.005 | 0.02    | 43.1 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.11 | 7.11 | < 0.005 | < 0.005 | < 0.005 | 7.13 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building 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 Equipment  | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road            | 0.99 | 0.83 | 7.12 | 12.6 | 0.02    | 0.17 | —    | 0.17 | 0.16 | —    | 0.16 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.31 | 0.26 | 2.23 | 3.95 | 0.01    | 0.05 | —    | 0.05 | 0.05 | —    | 0.05 | — | 750   | 750   | 0.03 | 0.01    | —    | 753   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.06 | 0.05 | 0.41 | 0.72 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 124   | 124   | 0.01 | < 0.005 | —    | 125   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.87 | 0.86 | 0.58 | 13.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,216 | 4,216 | 0.03 | 0.02    | 4.79 | 4,228 |
| Vendor              | 0.26 | 0.09 | 3.45 | 1.89 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,497 | 3,497 | 0.17 | 0.55    | 2.75 | 3,667 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.59 | 10.2 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 3,872 | 3,872 | 0.04 | 0.02    | 0.12 | 3,880 |
| Vendor              | 0.25 | 0.08 | 3.59 | 1.92 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,500 | 3,500 | 0.17 | 0.55    | 0.07 | 3,669 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |



|         |      |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Worker  | 0.26 | 0.26    | 0.19 | 3.39 | 0.00    | 0.00    | 1.43 | 1.43 | 0.00    | 0.34 | 0.34 | — | 1,229 | 1,229 | 0.01    | 0.01    | 0.65 | 1,232 |
| Vendor  | 0.08 | 0.03    | 1.12 | 0.60 | 0.01    | 0.01    | 0.41 | 0.42 | 0.01    | 0.11 | 0.12 | — | 1,095 | 1,095 | 0.05    | 0.17    | 0.37 | 1,148 |
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual  | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker  | 0.05 | 0.05    | 0.03 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26 | 0.00    | 0.06 | 0.06 | — | 203   | 203   | < 0.005 | < 0.005 | 0.11 | 204   |
| Vendor  | 0.01 | < 0.005 | 0.20 | 0.11 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 181   | 181   | 0.01    | 0.03    | 0.06 | 190   |
| Hauling | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.8. Building Construction (2036) - Mitigated

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

| Location                  | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                    | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily,<br>Summer<br>(Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road<br>Equipm<br>ent | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily,<br>Winter<br>(Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road<br>Equipm<br>ent | 0.99 | 0.83 | 7.12 | 12.6 | 0.02 | 0.17  | —     | 0.17  | 0.16   | —      | 0.16   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average<br>Daily          | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road            | 0.31 | 0.26    | 2.23 | 3.95 | 0.01    | 0.05    | —    | 0.05 | 0.05    | —    | 0.05 | — | 750   | 750   | 0.03    | 0.01    | —    | 753   |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.06 | 0.05    | 0.41 | 0.72 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 124   | 124   | 0.01    | < 0.005 | —    | 125   |
| Onsite truck        | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.87 | 0.86    | 0.58 | 13.6 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,216 | 4,216 | 0.03    | 0.02    | 4.79 | 4,228 |
| Vendor              | 0.26 | 0.09    | 3.45 | 1.89 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,497 | 3,497 | 0.17    | 0.55    | 2.75 | 3,667 |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.83 | 0.82    | 0.59 | 10.2 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,872 | 3,872 | 0.04    | 0.02    | 0.12 | 3,880 |
| Vendor              | 0.25 | 0.08    | 3.59 | 1.92 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,500 | 3,500 | 0.17    | 0.55    | 0.07 | 3,669 |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.26 | 0.26    | 0.19 | 3.39 | 0.00    | 0.00    | 1.43 | 1.43 | 0.00    | 0.34 | 0.34 | — | 1,229 | 1,229 | 0.01    | 0.01    | 0.65 | 1,232 |
| Vendor              | 0.08 | 0.03    | 1.12 | 0.60 | 0.01    | 0.01    | 0.41 | 0.42 | 0.01    | 0.11 | 0.12 | — | 1,095 | 1,095 | 0.05    | 0.17    | 0.37 | 1,148 |
| Hauling             | 0.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.05 | 0.05    | 0.03 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26 | 0.00    | 0.06 | 0.06 | — | 203   | 203   | < 0.005 | < 0.005 | 0.11 | 204   |
| Vendor              | 0.01 | < 0.005 | 0.20 | 0.11 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 181   | 181   | 0.01    | 0.03    | 0.06 | 190   |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|

### 3.9. Building Construction (2037) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02 | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02 | 0.16  | —     | 0.16  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.70 | 0.58 | 4.99 | 8.93 | 0.02 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,712 | 1,712 | 0.07 | 0.01 | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipm     | 0.13 | 0.11 | 0.91 | 1.63 | < 0.005 | 0.02    | —    | 0.02 | 0.02    | —    | 0.02 | — | 283   | 283   | 0.01    | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.58 | 13.1 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,178 | 4,178 | 0.03    | 0.02    | 4.11 | 4,190 |
| Vendor              | 0.26 | 0.09 | 3.33 | 1.85 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,392 | 3,392 | 0.16    | 0.51    | 2.28 | 3,551 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.59 | 9.73 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,837 | 3,837 | 0.03    | 0.02    | 0.11 | 3,845 |
| Vendor              | 0.25 | 0.08 | 3.51 | 1.88 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,395 | 3,395 | 0.16    | 0.51    | 0.06 | 3,552 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.57 | 0.56 | 0.42 | 7.36 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,779 | 2,779 | 0.02    | 0.02    | 1.27 | 2,786 |
| Vendor              | 0.18 | 0.06 | 2.50 | 1.33 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,424 | 2,424 | 0.12    | 0.37    | 0.70 | 2,537 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.10 | 0.10 | 0.08 | 1.34 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 460   | 460   | < 0.005 | < 0.005 | 0.21 | 461   |
| Vendor              | 0.03 | 0.01 | 0.46 | 0.24 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 401   | 401   | 0.02    | 0.06    | 0.12 | 420   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.10. Building Construction (2037) - Mitigated

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

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

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02    | 0.16 | —    | 0.16 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.98 | 0.82 | 6.99 | 12.5 | 0.02    | 0.16 | —    | 0.16 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.70 | 0.58 | 4.99 | 8.93 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.91 | 1.63 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 283   | 283   | 0.01 | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.83 | 0.82 | 0.58 | 13.1 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 4,178 | 4,178 | 0.03    | 0.02    | 4.11 | 4,190 |
| Vendor              | 0.26 | 0.09 | 3.33 | 1.85 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,392 | 3,392 | 0.16    | 0.51    | 2.28 | 3,551 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.59 | 9.73 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,837 | 3,837 | 0.03    | 0.02    | 0.11 | 3,845 |
| Vendor              | 0.25 | 0.08 | 3.51 | 1.88 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,395 | 3,395 | 0.16    | 0.51    | 0.06 | 3,552 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.57 | 0.56 | 0.42 | 7.36 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,779 | 2,779 | 0.02    | 0.02    | 1.27 | 2,786 |
| Vendor              | 0.18 | 0.06 | 2.50 | 1.33 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,424 | 2,424 | 0.12    | 0.37    | 0.70 | 2,537 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.10 | 0.10 | 0.08 | 1.34 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 460   | 460   | < 0.005 | < 0.005 | 0.21 | 461   |
| Vendor              | 0.03 | 0.01 | 0.46 | 0.24 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 401   | 401   | 0.02    | 0.06    | 0.12 | 420   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.11. Building Construction (2038) - 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     | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.69 | 0.58 | 4.92 | 8.90 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.90 | 1.62 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 283   | 283   | 0.01 | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.43 | 12.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,139 | 4,139 | 0.03 | 0.02    | 3.53 | 4,150 |
| Vendor              | 0.22 | 0.09 | 3.24 | 1.78 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,295 | 3,295 | 0.16 | 0.51    | 1.87 | 3,454 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.78 | 0.76 | 0.58 | 9.51 | 0.00    | 0.00    | 4.65 | 4.65 | 0.00    | 1.09 | 1.09 | — | 3,802 | 3,802 | 0.03    | 0.02    | 0.09 | 3,809 |
| Vendor              | 0.21 | 0.08 | 3.42 | 1.81 | 0.04    | 0.04    | 1.33 | 1.37 | 0.04    | 0.37 | 0.40 | — | 3,299 | 3,299 | 0.16    | 0.51    | 0.05 | 3,456 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.56 | 0.55 | 0.42 | 7.11 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,753 | 2,753 | 0.02    | 0.02    | 1.09 | 2,760 |
| Vendor              | 0.16 | 0.06 | 2.44 | 1.28 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,355 | 2,355 | 0.12    | 0.37    | 0.58 | 2,468 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.10 | 0.10 | 0.08 | 1.30 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 456   | 456   | < 0.005 | < 0.005 | 0.18 | 457   |
| Vendor              | 0.03 | 0.01 | 0.45 | 0.23 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 390   | 390   | 0.02    | 0.06    | 0.10 | 409   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.12. Building Construction (2038) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.97 | 0.81 | 6.89 | 12.5 | 0.02 | 0.15  | —     | 0.15  | 0.14   | —      | 0.14   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |



|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road Equipment  | 0.97 | 0.81 | 6.89 | 12.5 | 0.02    | 0.15 | —    | 0.15 | 0.14 | —    | 0.14 | — | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.69 | 0.58 | 4.92 | 8.90 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 1,712 | 1,712 | 0.07 | 0.01    | —    | 1,718 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.13 | 0.11 | 0.90 | 1.62 | < 0.005 | 0.02 | —    | 0.02 | 0.02 | —    | 0.02 | — | 283   | 283   | 0.01 | < 0.005 | —    | 284   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.80 | 0.78 | 0.43 | 12.6 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 4,139 | 4,139 | 0.03 | 0.02    | 3.53 | 4,150 |
| Vendor              | 0.22 | 0.09 | 3.24 | 1.78 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,295 | 3,295 | 0.16 | 0.51    | 1.87 | 3,454 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |
| Worker              | 0.78 | 0.76 | 0.58 | 9.51 | 0.00    | 0.00 | 4.65 | 4.65 | 0.00 | 1.09 | 1.09 | — | 3,802 | 3,802 | 0.03 | 0.02    | 0.09 | 3,809 |
| Vendor              | 0.21 | 0.08 | 3.42 | 1.81 | 0.04    | 0.04 | 1.33 | 1.37 | 0.04 | 0.37 | 0.40 | — | 3,299 | 3,299 | 0.16 | 0.51    | 0.05 | 3,456 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —       | —    | —     |

|         |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Worker  | 0.56 | 0.55 | 0.42 | 7.11 | 0.00    | 0.00    | 3.27 | 3.27 | 0.00    | 0.77 | 0.77 | — | 2,753 | 2,753 | 0.02    | 0.02    | 1.09 | 2,760 |
| Vendor  | 0.16 | 0.06 | 2.44 | 1.28 | 0.03    | 0.03    | 0.94 | 0.96 | 0.03    | 0.26 | 0.28 | — | 2,355 | 2,355 | 0.12    | 0.37    | 0.58 | 2,468 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual  | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker  | 0.10 | 0.10 | 0.08 | 1.30 | 0.00    | 0.00    | 0.60 | 0.60 | 0.00    | 0.14 | 0.14 | — | 456   | 456   | < 0.005 | < 0.005 | 0.18 | 457   |
| Vendor  | 0.03 | 0.01 | 0.45 | 0.23 | < 0.005 | < 0.005 | 0.17 | 0.18 | < 0.005 | 0.05 | 0.05 | — | 390   | 390   | 0.02    | 0.06    | 0.10 | 409   |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.13. Building Construction (2039) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.96 | 0.80 | 6.78 | 12.4 | 0.02    | 0.15  | —     | 0.15  | 0.13   | —      | 0.13   | —    | 2,397 | 2,397 | 0.10 | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.36 | < 0.005 | 0.02  | —     | 0.02  | 0.01   | —      | 0.01   | —    | 263   | 263   | 0.01 | < 0.005 | —    | 264   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment  | 0.02    | 0.02    | 0.14 | 0.25 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 43.5  | 43.5  | < 0.005 | < 0.005 | —    | 43.6  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.74    | 0.58    | 0.58 | 9.16 | 0.00    | 0.00    | 4.65 | 4.65    | 0.00    | 1.09 | 1.09    | — | 3,775 | 3,775 | 0.03    | 0.02    | 0.08 | 3,783 |
| Vendor              | 0.21    | 0.08    | 3.34 | 1.77 | 0.04    | 0.04    | 1.33 | 1.37    | 0.04    | 0.37 | 0.40    | — | 3,214 | 3,214 | 0.12    | 0.48    | 0.04 | 3,360 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.08    | 0.06    | 0.06 | 1.05 | 0.00    | 0.00    | 0.50 | 0.50    | 0.00    | 0.12 | 0.12    | — | 419   | 419   | < 0.005 | < 0.005 | 0.14 | 420   |
| Vendor              | 0.02    | 0.01    | 0.36 | 0.19 | < 0.005 | < 0.005 | 0.14 | 0.15    | < 0.005 | 0.04 | 0.04    | — | 352   | 352   | 0.01    | 0.05    | 0.07 | 368   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.01    | 0.01    | 0.01 | 0.19 | 0.00    | 0.00    | 0.09 | 0.09    | 0.00    | 0.02 | 0.02    | — | 69.4  | 69.4  | < 0.005 | < 0.005 | 0.02 | 69.6  |
| Vendor              | < 0.005 | < 0.005 | 0.07 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.03    | < 0.005 | 0.01 | 0.01    | — | 58.3  | 58.3  | < 0.005 | 0.01    | 0.01 | 60.9  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

### 3.14. Building Construction (2039) - Mitigated

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

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

|                     |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.96 | 0.80 | 6.78 | 12.4 | 0.02    | 0.15    | —    | 0.15    | 0.13    | —    | 0.13    | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.36 | < 0.005 | 0.02    | —    | 0.02    | 0.01    | —    | 0.01    | — | 263   | 263   | 0.01    | < 0.005 | —    | 264   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.02 | 0.14 | 0.25 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 43.5  | 43.5  | < 0.005 | < 0.005 | —    | 43.6  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.74 | 0.58 | 0.58 | 9.16 | 0.00    | 0.00    | 4.65 | 4.65    | 0.00    | 1.09 | 1.09    | — | 3,775 | 3,775 | 0.03    | 0.02    | 0.08 | 3,783 |
| Vendor              | 0.21 | 0.08 | 3.34 | 1.77 | 0.04    | 0.04    | 1.33 | 1.37    | 0.04    | 0.37 | 0.40    | — | 3,214 | 3,214 | 0.12    | 0.48    | 0.04 | 3,360 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |

|         |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |      |      |
|---------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|------|------|
| Worker  | 0.08    | 0.06    | 0.06 | 1.05 | 0.00    | 0.00    | 0.50 | 0.50 | 0.00    | 0.12 | 0.12 | — | 419  | 419  | < 0.005 | < 0.005 | 0.14 | 420  |
| Vendor  | 0.02    | 0.01    | 0.36 | 0.19 | < 0.005 | < 0.005 | 0.14 | 0.15 | < 0.005 | 0.04 | 0.04 | — | 352  | 352  | 0.01    | 0.05    | 0.07 | 368  |
| Hauling | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual  | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —    | —    |
| Worker  | 0.01    | 0.01    | 0.01 | 0.19 | 0.00    | 0.00    | 0.09 | 0.09 | 0.00    | 0.02 | 0.02 | — | 69.4 | 69.4 | < 0.005 | < 0.005 | 0.02 | 69.6 |
| Vendor  | < 0.005 | < 0.005 | 0.07 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 58.3 | 58.3 | < 0.005 | 0.01    | 0.01 | 60.9 |
| Hauling | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.15. Paving+ Landscaping (2039) - 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 | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving                    | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily,<br>Winter<br>(Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road<br>Equipm<br>ent | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving                    | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |      |      |         |         |         |      |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|---------|------|
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.24 | 0.20 | 2.20 | 4.03 | 0.01    | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | — | 625  | 625  | 0.03    | 0.01    | —       | 627  |
| Paving              | 0.08 | 0.08 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.04 | 0.04 | 0.40 | 0.74 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 103  | 103  | < 0.005 | < 0.005 | —       | 104  |
| Paving              | 0.02 | 0.02 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03 | 0.03 | 0.02 | 0.52 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 173  | 173  | < 0.005 | < 0.005 | 0.13    | 174  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03 | 0.02 | 0.02 | 0.39 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 159  | 159  | < 0.005 | < 0.005 | < 0.005 | 160  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01 | 0.01 | 0.01 | 0.17 | 0.00    | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 66.8 | 66.8 | < 0.005 | < 0.005 | 0.02    | 66.9 |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|         |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.1 | 11.1 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Paving+ Landscaping (2039) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.58 | 0.49 | 5.31 | 9.75 | 0.01 | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 1,511 | 1,511 | 0.06 | 0.01 | —    | 1,516 |
| Paving              | 0.20 | 0.20 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |      |      |         |         |         |      |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|---------|------|
| Off-Road            | 0.24 | 0.20 | 2.20 | 4.03 | 0.01    | 0.05 | —    | 0.05 | 0.04 | —    | 0.04 | — | 625  | 625  | 0.03    | 0.01    | —       | 627  |
| Paving              | 0.08 | 0.08 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.04 | 0.04 | 0.40 | 0.74 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 103  | 103  | < 0.005 | < 0.005 | —       | 104  |
| Paving              | 0.02 | 0.02 | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03 | 0.03 | 0.02 | 0.52 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 173  | 173  | < 0.005 | < 0.005 | 0.13    | 174  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03 | 0.02 | 0.02 | 0.39 | 0.00    | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 159  | 159  | < 0.005 | < 0.005 | < 0.005 | 160  |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01 | 0.01 | 0.01 | 0.17 | 0.00    | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 66.8 | 66.8 | < 0.005 | < 0.005 | 0.02    | 66.9 |
| Vendor              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —    | —    | —       | —       | —       | —    |



|         |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.1 | 11.1 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.17. Architectural Coating (2039) - Unmitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2 | 49.2 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2 | 49.2 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.09 | 0.13 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 16.5 | 16.5 | < 0.005 | < 0.005 | —    | 16.5 |
| Architectural Coatings | 6.07    | 6.07    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 2.73 | 2.73 | < 0.005 | < 0.005 | —    | 2.73 |
| Architectural Coatings | 1.11    | 1.11    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | 0.15    | 0.12    | 0.08 | 2.45 | 0.00    | 0.00    | 0.93 | 0.93    | 0.00    | 0.22 | 0.22    | — | 822  | 822  | 0.01    | < 0.005 | 0.60 | 824  |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | 0.15    | 0.12    | 0.12 | 1.83 | 0.00    | 0.00    | 0.93 | 0.93    | 0.00    | 0.22 | 0.22    | — | 755  | 755  | 0.01    | < 0.005 | 0.02 | 757  |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

|               |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker        | 0.02    | 0.01    | 0.01    | 0.24 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03    | 0.03    | — | 94.4 | 94.4 | < 0.005 | < 0.005 | 0.03 | 94.6 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual        | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.6 | 15.6 | < 0.005 | < 0.005 | 0.01 | 15.7 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.18. Architectural Coating (2039) - Mitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2 | 49.2 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Off-Road Equipm        | 0.11    | 0.09    | 0.74 | 1.09 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 49.2    | 49.2    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.09 | 0.13 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 16.5 | 16.5 | < 0.005 | < 0.005 | —    | 16.5 |
| Architectural Coatings | 6.07    | 6.07    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 2.73 | 2.73 | < 0.005 | < 0.005 | —    | 2.73 |
| Architectural Coatings | 1.11    | 1.11    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                 | 0.15    | 0.12    | 0.08 | 2.45 | 0.00    | 0.00    | 0.93 | 0.93    | 0.00    | 0.22 | 0.22    | — | 822  | 822  | 0.01    | < 0.005 | 0.60 | 824  |

|                           |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |      |      |
|---------------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|------|------|
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Daily,<br>Winter<br>(Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                    | 0.15    | 0.12    | 0.12    | 1.83 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22    | 0.22    | — | 755  | 755  | 0.01    | < 0.005 | 0.02 | 757  |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average<br>Daily          | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                    | 0.02    | 0.01    | 0.01    | 0.24 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03    | 0.03    | — | 94.4 | 94.4 | < 0.005 | < 0.005 | 0.03 | 94.6 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                    | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —    | —    |
| Worker                    | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.6 | 15.6 | < 0.005 | < 0.005 | 0.01 | 15.7 |
| Vendor                    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |

### 3.19. Utilities Trenching and Installation (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,<br>Summer<br>(Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Off-Road<br>Equipm<br>ent | 0.13 | 0.11 | 1.12 | 1.35 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 207   | 207  | 0.01 | < 0.005 | —    | 208  |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |

|                     |         |         |         |      |         |         |      |         |         |      |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.13    | 0.11    | 1.12    | 1.35 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.03    | 0.02    | 0.22    | 0.26 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 40.4 | 40.4 | < 0.005 | < 0.005 | —       | 40.5 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.04    | 0.05 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 6.68 | 6.68 | < 0.005 | < 0.005 | —       | 6.70 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | < 0.005 | 0.10 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01 | 0.01    | — | 29.6 | 29.6 | < 0.005 | < 0.005 | 0.03    | 29.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | < 0.005 | 0.07 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01 | 0.01    | — | 27.2 | 27.2 | < 0.005 | < 0.005 | < 0.005 | 27.3 |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 5.37 | 5.37 | < 0.005 | < 0.005 | < 0.005 | 5.38 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | < 0.005 | 0.89 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.20. Utilities Trenching and Installation (2036) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|------|------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment  | 0.13 | 0.11 | 1.12 | 1.35 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 207   | 207  | 0.01 | < 0.005 | —    | 208  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment  | 0.13 | 0.11 | 1.12 | 1.35 | < 0.005 | 0.02  | —     | 0.02  | 0.02   | —      | 0.02   | —    | 207   | 207  | 0.01 | < 0.005 | —    | 208  |

|                     |         |         |         |      |         |         |      |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.03    | 0.02    | 0.22    | 0.26 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 40.4 | 40.4 | < 0.005 | < 0.005 | —       | 40.5 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.04    | 0.05 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 6.68 | 6.68 | < 0.005 | < 0.005 | —       | 6.70 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | < 0.005 | 0.10 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01    | 0.01    | — | 29.6 | 29.6 | < 0.005 | < 0.005 | 0.03    | 29.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | < 0.005 | 0.07 | 0.00    | 0.00    | 0.03 | 0.03    | 0.00    | 0.01    | 0.01    | — | 27.2 | 27.2 | < 0.005 | < 0.005 | < 0.005 | 27.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —    | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | 0.01 | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 5.37 | 5.37 | < 0.005 | < 0.005 | < 0.005 | 5.38 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |



|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | < 0.005 | 0.89 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)            | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Daily, Winter (Max)            | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |

|                                |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Annual                         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |

#### 4.1.2. Mitigated

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

| Land Use                       | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|--------------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max)            | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14  | 32.3  | 32.4  | 0.13   | 8.19   | 8.33   | —    | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |

|                                |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.9 | 10.9 | 8.97 | 102  | 0.31 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 31,320 | 31,320 | 1.06 | 1.31 | 20.5 | 31,758 |
| Daily, Winter (Max)            | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 11.5 | 10.5 | 9.63 | 85.7 | 0.29 | 0.14 | 32.3 | 32.4 | 0.13 | 8.19 | 8.33 | — | 29,338 | 29,338 | 1.09 | 1.35 | 0.53 | 29,769 |
| Annual                         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital                       | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| General Office Building        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                          | 1.68 | 1.52 | 1.43 | 13.1 | 0.04 | 0.02 | 4.68 | 4.70 | 0.02 | 1.19 | 1.21 | — | 3,961  | 3,961  | 0.15 | 0.18 | 1.18 | 4,020  |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

#### 4.2.3. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

#### 4.3. Area Emissions by Source

##### 4.3.1. Unmitigated

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

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

|                        |      |      |      |      |         |      |   |      |      |   |      |   |     |     |      |         |   |     |
|------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|-----|-----|------|---------|---|-----|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Consumer Products      | 9.35 | 9.35 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Landscape Equipment    | 7.36 | 6.79 | 0.35 | 41.3 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 170 | 170 | 0.01 | < 0.005 | — | 171 |
| Total                  | 17.0 | 16.4 | 0.35 | 41.3 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 170 | 170 | 0.01 | < 0.005 | — | 171 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Consumer Products      | 9.35 | 9.35 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Total                  | 9.65 | 9.65 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Annual                 | —    | —    | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Consumer Products      | 1.71 | 1.71 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |
| Architectural Coatings | 0.06 | 0.06 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —   | —   | —    | —       | — | —   |

|           |      |      |      |      |         |      |   |      |      |   |      |   |      |      |         |         |   |      |
|-----------|------|------|------|------|---------|------|---|------|------|---|------|---|------|------|---------|---------|---|------|
| Landscape | 0.92 | 0.85 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |
| Total     | 2.68 | 2.61 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |

#### 4.3.2. Mitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Consumer Products      | 8.65 | 8.65 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Landscape Equipment    | 7.36 | 6.79 | 0.35 | 41.3 | < 0.005 | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 170   | 170  | 0.01 | < 0.005 | — | 171  |
| Total                  | 16.3 | 15.7 | 0.35 | 41.3 | < 0.005 | 0.07  | —     | 0.07  | 0.06   | —      | 0.06   | —    | 170   | 170  | 0.01 | < 0.005 | — | 171  |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Consumer Products      | 8.65 | 8.65 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Architectural Coatings | 0.30 | 0.30 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Total                  | 8.96 | 8.96 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —       | — | —    |

|                                   |      |      |      |      |         |      |   |      |      |   |      |   |      |      |         |         |   |      |
|-----------------------------------|------|------|------|------|---------|------|---|------|------|---|------|---|------|------|---------|---------|---|------|
| Consum<br>Products                | 1.58 | 1.58 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.06 | 0.06 | —    | —    | —       | —    | — | —    | —    | — | —    | — | —    | —    | —       | —       | — | —    |
| Landscape<br>Equipm<br>ent        | 0.92 | 0.85 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |
| Total                             | 2.55 | 2.48 | 0.04 | 5.17 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 19.3 | 19.3 | < 0.005 | < 0.005 | — | 19.3 |

## 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<br>Use                             | 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)               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed<br>Parking<br>with<br>Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General<br>Office<br>Building           | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |
| Total                                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 48.6 | 326   | 375  | 5.00 | 0.12 | — | 536  |
| Daily,<br>Winter<br>(Max)               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |



|                                |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |         |   |      |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---------|---|------|
| Enclose Parking with Elevator  | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | — | 0.00 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 11.9 | 61.7 | 73.6 | 1.23 | 0.03    | — | 113  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 48.6 | 326  | 375  | 5.00 | 0.12    | — | 536  |
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —       | — | —    |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 6.07 | 43.8 | 49.9 | 0.63 | 0.02    | — | 70.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | — | 0.00 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 1.97 | 10.2 | 12.2 | 0.20 | < 0.005 | — | 18.7 |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 8.04 | 54.0 | 62.1 | 0.83 | 0.02    | — | 88.7 |

## 4.4.2. Mitigated

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

| Land Use                       | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|--------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 36.7 | 265   | 301  | 3.78 | 0.09 | — | 423  |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.9 | 61.7  | 73.6 | 1.23 | 0.03 | — | 113  |

|                                |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |         |   |      |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---------|---|------|
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 48.6 | 326  | 375  | 5.00 | 0.12    | — | 536  |
| Daily, Winter (Max)            | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —       | — | —    |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 36.7 | 265  | 301  | 3.78 | 0.09    | — | 423  |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | — | 0.00 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 11.9 | 61.7 | 73.6 | 1.23 | 0.03    | — | 113  |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 48.6 | 326  | 375  | 5.00 | 0.12    | — | 536  |
| Annual                         | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —       | — | —    |
| Hospital                       | — | — | — | — | — | — | — | — | — | — | — | 6.07 | 43.8 | 49.9 | 0.63 | 0.02    | — | 70.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | — | 0.00 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 1.97 | 10.2 | 12.2 | 0.20 | < 0.005 | — | 18.7 |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 8.04 | 54.0 | 62.1 | 0.83 | 0.02    | — | 88.7 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-----------------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Hospital                                | — | — | — | — | — | — | — | — | — | — | — | 335  | 0.00 | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed<br>Parking<br>with<br>Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General<br>Office<br>Building           | — | — | — | — | — | — | — | — | — | — | — | 17.5 | 0.00 | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                                   | — | — | — | — | — | — | — | — | — | — | — | 353  | 0.00 | 353  | 35.3 | 0.00 | — | 1,234 |
| Daily,<br>Winter<br>(Max)               | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Hospital                                | — | — | — | — | — | — | — | — | — | — | — | 335  | 0.00 | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed<br>Parking<br>with<br>Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General<br>Office<br>Building           | — | — | — | — | — | — | — | — | — | — | — | 17.5 | 0.00 | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                                   | — | — | — | — | — | — | — | — | — | — | — | 353  | 0.00 | 353  | 35.3 | 0.00 | — | 1,234 |
| Annual                                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Hospital                                | — | — | — | — | — | — | — | — | — | — | — | 55.5 | 0.00 | 55.5 | 5.55 | 0.00 | — | 194   |
| Enclosed<br>Parking<br>with<br>Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General<br>Office<br>Building           | — | — | — | — | — | — | — | — | — | — | — | 2.90 | 0.00 | 2.90 | 0.29 | 0.00 | — | 10.2  |
| Total                                   | — | — | — | — | — | — | — | — | — | — | — | 58.4 | 0.00 | 58.4 | 5.84 | 0.00 | — | 204   |

## 4.5.2. Mitigated

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

| Land Use                       | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e  |
|--------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|-------|
| Daily, Summer (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 335  | 0.00  | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 17.5 | 0.00  | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 353  | 0.00  | 353  | 35.3 | 0.00 | — | 1,234 |
| Daily, Winter (Max)            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 335  | 0.00  | 335  | 33.5 | 0.00 | — | 1,173 |
| Enclosed Parking with Elevator | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| General Office Building        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 17.5 | 0.00  | 17.5 | 1.75 | 0.00 | — | 61.4  |
| Total                          | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 353  | 0.00  | 353  | 35.3 | 0.00 | — | 1,234 |
| Annual                         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Hospital                       | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 55.5 | 0.00  | 55.5 | 5.55 | 0.00 | — | 194   |

|                                |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Office Building        | — | — | — | — | — | — | — | — | — | — | — | 2.90 | 0.00 | 2.90 | 0.29 | 0.00 | — | 10.2 |
| Total                          | — | — | — | — | — | — | — | — | — | — | — | 58.4 | 0.00 | 58.4 | 5.84 | 0.00 | — | 204  |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.63 | 0.63 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.09 | 0.09 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.71 | 0.71 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.63 | 0.63 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.09 | 0.09 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.71 | 0.71 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.10 | 0.10 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| General Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.12 | 0.12 |

## 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.63 | 0.63 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.09 | 0.09 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.71 | 0.71 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.63 | 0.63 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.09 | 0.09 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.71 | 0.71 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.10 | 0.10 |
| General Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.01 | 0.01 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.12 | 0.12 |

## 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.7.2. Mitigated

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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.8.2. Mitigated

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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. 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<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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.10. 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    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —           | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date   | Days Per Week | Work Days per Phase | Phase Description  |
|--------------------------------------|-----------------------|------------|------------|---------------|---------------------|--------------------|
| Site Preparation                     | Site Preparation      | 11/1/2035  | 1/8/2036   | 5.00          | 49.0                | —                  |
| Pad Grading                          | Grading               | 4/17/2036  | 7/24/2036  | 5.00          | 71.0                | —                  |
| Building Construction                | Building Construction | 7/25/2036  | 2/25/2039  | 5.00          | 676                 | —                  |
| Paving+ Landscaping                  | Paving                | 4/30/2039  | 11/28/2039 | 5.00          | 151                 | Landscaping+Paving |
| Architectural Coating                | Architectural Coating | 2/26/2039  | 4/29/2039  | 5.00          | 45.0                | —                  |
| Utilities Trenching and Installation | Trenching             | 1/9/2036   | 4/16/2036  | 5.00          | 71.0                | —                  |

## 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 |
|--------------------------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation                     | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation                     | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading                          | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Pad Grading                          | Excavators                 | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Pad Grading                          | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 8.00          | 84.0       | 0.37        |
| Pad Grading                          | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Pad Grading                          | Scrapers                   | Diesel    | Average     | 2.00           | 8.00          | 423        | 0.48        |
| Building Construction                | Forklifts                  | Diesel    | Average     | 3.00           | 8.00          | 82.0       | 0.20        |
| Building Construction                | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction                | Cranes                     | Diesel    | Average     | 1.00           | 7.00          | 367        | 0.29        |
| Building Construction                | Welders                    | Diesel    | Average     | 1.00           | 8.00          | 46.0       | 0.45        |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00           | 7.00          | 84.0       | 0.37        |
| Paving+ Landscaping                  | Pavers                     | Diesel    | Average     | 2.00           | 8.00          | 81.0       | 0.42        |
| Paving+ Landscaping                  | Paving Equipment           | Diesel    | Average     | 2.00           | 8.00          | 89.0       | 0.36        |
| Paving+ Landscaping                  | Rollers                    | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Architectural Coating                | Air Compressors            | Diesel    | Average     | 1.00           | 6.00          | 37.0       | 0.48        |
| Utilities Trenching and Installation | Trenchers                  | Diesel    | Average     | 1.00           | 8.00          | 40.0       | 0.50        |

### 5.2.2. Mitigated

| Phase Name       | Equipment Type      | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|------------------|---------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation | Rubber Tired Dozers | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Site Preparation                     | Tractors/Loaders/Back      | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Pad Grading                          | Graders                    | Diesel | Average | 1.00 | 8.00 | 148  | 0.41 |
| Pad Grading                          | Excavators                 | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Pad Grading                          | Tractors/Loaders/Back hoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Pad Grading                          | Rubber Tired Dozers        | Diesel | Average | 1.00 | 8.00 | 367  | 0.40 |
| Pad Grading                          | Scrapers                   | Diesel | Average | 2.00 | 8.00 | 423  | 0.48 |
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Cranes                     | Diesel | Average | 1.00 | 7.00 | 367  | 0.29 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Paving+ Landscaping                  | Pavers                     | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving+ Landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving+ Landscaping                  | Rollers                    | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name       | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | —            | —                     | —              | —             |
| Site Preparation | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation | Onsite truck | —                     | —              | HHDT          |



|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 356  | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 156  | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 71.1 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Paving+ Landscaping                  | —            | —    | —    | —             |
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Pad Grading                          | —            | —    | —    | —             |
| Pad Grading                          | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Pad Grading                          | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Pad Grading                          | Hauling      | 0.00 | 20.0 | HHDT          |
| Pad Grading                          | Onsite truck | —    | —    | HHDT          |

## 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|------------|-----------|-----------------------|----------------|-------------|
|------------|-----------|-----------------------|----------------|-------------|

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Site Preparation                     | —            | —    | —    | —             |
| Site Preparation                     | Worker       | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00 | 20.0 | HHDT          |
| Site Preparation                     | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 356  | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 156  | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 71.1 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Paving+ Landscaping                  | —            | —    | —    | —             |
| Paving+ Landscaping                  | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ Landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ Landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ Landscaping                  | Onsite truck | —    | —    | HHDT          |
| Pad Grading                          | —            | —    | —    | —             |
| Pad Grading                          | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Pad Grading                          | Vendor       | —    | 10.2 | HHDT,MHDT     |

|             |              |      |      |      |
|-------------|--------------|------|------|------|
| Pad Grading | Hauling      | 0.00 | 20.0 | HHDT |
| Pad Grading | 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 | 0.00                                     | 0.00                                     | 675,223                                      | 220,025                                      | 30,297                      |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation    | —                      | —                      | 73.5                 | 0.00                          | —                   |
| Pad Grading         | —                      | —                      | 213                  | 0.00                          | —                   |
| Paving+ Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 11.6                |

### 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

| Land Use                       | Area Paved (acres) | % Asphalt |
|--------------------------------|--------------------|-----------|
| Hospital                       | 0.00               | 0%        |
| Enclosed Parking with Elevator | 11.6               | 100%      |
| General Office Building        | 0.00               | 0%        |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2035 | 0.00         | 532 | 0.03 | < 0.005 |
| 2036 | 0.00         | 532 | 0.03 | < 0.005 |
| 2037 | 0.00         | 532 | 0.03 | < 0.005 |
| 2038 | 0.00         | 532 | 0.03 | < 0.005 |
| 2039 | 0.00         | 532 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type                  | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VM/Weekday | VM/Saturday | VM/Sunday | VM/Year    |
|--------------------------------|---------------|----------------|--------------|------------|------------|-------------|-----------|------------|
| Hospital                       | 4,754         | 1,644          | 1,442        | 1,400,410  | 45,558     | 15,757      | 13,818    | 13,419,687 |
| Enclosed Parking with Elevator | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |
| General Office Building        | 0.00          | 0.00           | 0.00         | 0.00       | 0.00       | 0.00        | 0.00      | 0.00       |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VM/Weekday | VM/Saturday | VM/Sunday | VM/Year |
|---------------|---------------|----------------|--------------|------------|------------|-------------|-----------|---------|
|---------------|---------------|----------------|--------------|------------|------------|-------------|-----------|---------|

|                                |       |       |       |           |        |        |        |            |
|--------------------------------|-------|-------|-------|-----------|--------|--------|--------|------------|
| Hospital                       | 4,754 | 1,644 | 1,442 | 1,400,410 | 45,558 | 15,757 | 13,818 | 13,419,687 |
| Enclosed Parking with Elevator | 0.00  | 0.00  | 0.00  | 0.00      | 0.00   | 0.00   | 0.00   | 0.00       |
| General Office Building        | 0.00  | 0.00  | 0.00  | 0.00      | 0.00   | 0.00   | 0.00   | 0.00       |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 675,223                                      | 220,025                                      | 30,297                      |

### 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

### 5.11.2. Mitigated

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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use                       | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|--------------------------------|-------------------------|--------------------------|
| Hospital                       | 19,130,306              | 9,667,592                |
| Enclosed Parking with Elevator | 0.00                    | 0.00                     |
| General Office Building        | 6,220,681               | 0.00                     |

### 5.12.2. Mitigated

| Land Use                       | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|--------------------------------|-------------------------|--------------------------|
| Hospital                       | 19,130,306              | 9,667,592                |
| Enclosed Parking with Elevator | 0.00                    | 0.00                     |
| General Office Building        | 6,220,681               | 0.00                     |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use                       | Waste (ton/year) | Cogeneration (kWh/year) |
|--------------------------------|------------------|-------------------------|
| Hospital                       | 622              | —                       |
| Enclosed Parking with Elevator | 0.00             | —                       |
| General Office Building        | 32.6             | —                       |

### 5.13.2. Mitigated

| Land Use                       | Waste (ton/year) | Cogeneration (kWh/year) |
|--------------------------------|------------------|-------------------------|
| Hospital                       | 622              | —                       |
| Enclosed Parking with Elevator | 0.00             | —                       |
| General Office Building        | 32.6             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type           | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital                | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital                | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital                | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital                | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |
| General Office Building | Household refrigerators and/or freezers       | R-134a      | 1,430 | 0.02          | 0.60                 | 0.00              | 1.00           |
| General Office Building | Other commercial A/C and heat pumps           | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.14.2. Mitigated

| Land Use Type           | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital                | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital                | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital                | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital                | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |
| General Office Building | Household refrigerators and/or freezers       | R-134a      | 1,430 | 0.02          | 0.60                 | 0.00              | 1.00           |
| General Office Building | Other commercial A/C and heat pumps           | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

## 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|



## 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

## 5.18.1. Land Use Change

## 5.18.1.1. Unmitigated

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

## 5.18.1.2. Mitigated

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

## 5.18.1. Biomass Cover Type

## 5.18.1.1. Unmitigated

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

## 5.18.1.2. Mitigated

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

## 5.18.2. Sequestration

## 5.18.2.1. Unmitigated

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

#### 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | —                               |
| AQ-PM                           | —                               |
| AQ-DPM                          | —                               |
| Drinking Water                  | —                               |
| Lead Risk Housing               | —                               |
| Pesticides                      | —                               |
| Toxic Releases                  | —                               |
| Traffic                         | —                               |
| Effect Indicators               | —                               |
| CleanUp Sites                   | —                               |
| Groundwater                     | —                               |
| Haz Waste Facilities/Generators | —                               |
| Impaired Water Bodies           | —                               |
| Solid Waste                     | —                               |
| Sensitive Population            | —                               |
| Asthma                          | —                               |
| Cardio-vascular                 | —                               |
| Low Birth Weights               | —                               |
| Socioeconomic Factor Indicators | —                               |
| Education                       | —                               |
| Housing                         | —                               |
| Linguistic                      | —                               |
| Poverty                         | —                               |
| Unemployment                    | —                               |

## 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                                | —                               |
| Employed                                     | —                               |
| Median HI                                    | —                               |
| Education                                    | —                               |
| Bachelor's or higher                         | —                               |
| High school enrollment                       | —                               |
| Preschool enrollment                         | —                               |
| Transportation                               | —                               |
| Auto Access                                  | —                               |
| Active commuting                             | —                               |
| Social                                       | —                               |
| 2-parent households                          | —                               |
| Voting                                       | —                               |
| Neighborhood                                 | —                               |
| Alcohol availability                         | —                               |
| Park access                                  | —                               |
| Retail density                               | —                               |
| Supermarket access                           | —                               |
| Tree canopy                                  | —                               |
| Housing                                      | —                               |
| Homeownership                                | —                               |
| Housing habitability                         | —                               |
| Low-inc homeowner severe housing cost burden | —                               |
| Low-inc renter severe housing cost burden    | —                               |

|                                       |   |
|---------------------------------------|---|
| Uncrowded housing                     | — |
| Health Outcomes                       | — |
| Insured adults                        | — |
| Arthritis                             | — |
| Asthma ER Admissions                  | — |
| High Blood Pressure                   | — |
| Cancer (excluding skin)               | — |
| Asthma                                | — |
| Coronary Heart Disease                | — |
| Chronic Obstructive Pulmonary Disease | — |
| Diagnosed Diabetes                    | — |
| Life Expectancy at Birth              | — |
| Cognitively Disabled                  | — |
| Physically Disabled                   | — |
| Heart Attack ER Admissions            | — |
| Mental Health Not Good                | — |
| Chronic Kidney Disease                | — |
| Obesity                               | — |
| Pedestrian Injuries                   | — |
| Physical Health Not Good              | — |
| Stroke                                | — |
| Health Risk Behaviors                 | — |
| Binge Drinking                        | — |
| Current Smoker                        | — |
| No Leisure Time for Physical Activity | — |
| Climate Change Exposures              | — |
| Wildfire Risk                         | — |
| SLR Inundation Area                   | — |

|                                  |   |
|----------------------------------|---|
| Children                         | — |
| Elderly                          | — |
| English Speaking                 | — |
| Foreign-born                     | — |
| Outdoor Workers                  | — |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover         | — |
| Traffic Density                  | — |
| Traffic Access                   | — |
| Other Indices                    | — |
| Hardship                         | — |
| Other Decision Support           | — |
| 2016 Voting                      | — |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | —                               |
| Healthy Places Index Score for Project Location (b)                                 | —                               |
| 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

| Screen                               | Justification                                             |
|--------------------------------------|-----------------------------------------------------------|
| Land Use                             | Client provided                                           |
| Construction: Construction Phases    | Client provided.                                          |
| Construction: Off-Road Equipment     | Default                                                   |
| Construction: Architectural Coatings | SCAQMD 1113                                               |
| Operations: Vehicle Data             | TRAFFIC STUDY ANALYSIS                                    |
| Operations: Architectural Coatings   | SCAQMD 1113                                               |
| Operations: Energy Use               | Electricity and Natural gas - on-site Utilities Building. |



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## **APPENDIX D2.7**

### **Phase 3 CalEEMod Without Mitigation**

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# 7214/Redlands – Kaiser Permanente Medical Center- Phase 3 Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                     |
|-----------------------------|-----------------------------------------------------------|
| Project Name                | 7214/Redlands – Kaiser Permanente Medical Center- Phase 3 |
| Construction Start Date     | 12/1/2043                                                 |
| Operational Year            | 2045                                                      |
| Lead Agency                 | —                                                         |
| Land Use Scale              | Project/site                                              |
| Analysis Level for Defaults | County                                                    |
| Windspeed (m/s)             | 2.50                                                      |
| Precipitation (days)        | 24.0                                                      |
| Location                    | 34.07231170887854, -117.22884775664832                    |
| County                      | San Bernardino-South Coast                                |
| City                        | Redlands                                                  |
| Air District                | South Coast AQMD                                          |
| Air Basin                   | South Coast                                               |
| TAZ                         | 5394                                                      |
| EDFZ                        | 10                                                        |
| Electric Utility            | Southern California Edison                                |
| Gas Utility                 | Southern California Gas                                   |
| App Version                 | 2022.1.1.29                                               |

## 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               |
|-------------------------|------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|---------------------------|
| Medical Office Building | 83.0 | 1000sqft | 0.46        | 83,000                | 593,000                | —                              | —          | Medical Office building 3 |

|             |     |       |      |      |      |   |   |   |
|-------------|-----|-------|------|------|------|---|---|---|
| Parking Lot | 415 | Space | 3.73 | 0.00 | 0.00 | — | — | — |
|-------------|-----|-------|------|------|------|---|---|---|

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

| Sector       | #    | Measure Title                       |
|--------------|------|-------------------------------------|
| Construction | C-13 | Use Low-VOC Paints for Construction |
| Area Sources | AS-1 | Use Low-VOC Cleaning Supplies       |
| Area Sources | AS-2 | Use Low-VOC Paints                  |

## 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.              | 1.00 | 0.82 | 6.77 | 13.2 | 0.03 | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06 | 0.14    | 2,971 |
| Mit.                | 1.00 | 0.82 | 6.77 | 13.2 | 0.03 | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06 | 0.14    | 2,971 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Unmit.              | 20.6 | 20.6 | 14.5 | 19.0 | 0.05 | 0.48  | 7.89  | 8.38  | 0.44   | 3.99   | 4.44   | —    | 5,478 | 5,478 | 0.22 | 0.06 | < 0.005 | 5,496 |
| Mit.                | 20.6 | 20.6 | 14.5 | 19.0 | 0.05 | 0.48  | 7.89  | 8.38  | 0.44   | 3.99   | 4.44   | —    | 5,478 | 5,478 | 0.22 | 0.06 | < 0.005 | 5,496 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Average Daily (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |

|              |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |      |       |
|--------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Unmit.       | 1.37 | 1.34 | 4.50 | 8.50 | 0.02    | 0.09 | 0.55 | 0.64 | 0.08 | 0.24 | 0.29 | — | 1,910 | 1,910 | 0.07 | 0.04 | 0.04 | 1,922 |
| Mit.         | 1.37 | 1.34 | 4.50 | 8.50 | 0.02    | 0.09 | 0.55 | 0.64 | 0.08 | 0.24 | 0.29 | — | 1,910 | 1,910 | 0.07 | 0.04 | 0.04 | 1,922 |
| % Reduced    | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.       | 0.25 | 0.24 | 0.82 | 1.55 | < 0.005 | 0.02 | 0.10 | 0.12 | 0.02 | 0.04 | 0.05 | — | 316   | 316   | 0.01 | 0.01 | 0.01 | 318   |
| Mit.         | 0.25 | 0.24 | 0.82 | 1.55 | < 0.005 | 0.02 | 0.10 | 0.12 | 0.02 | 0.04 | 0.05 | — | 316   | 316   | 0.01 | 0.01 | 0.01 | 318   |
| % Reduced    | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2044                 | 1.00 | 0.82 | 6.77 | 13.2 | 0.03    | 0.13  | 0.46  | 0.59  | 0.12   | 0.11   | 0.23   | —    | 2,951 | 2,951 | 0.11 | 0.06    | 0.14    | 2,971 |
| 2045                 | 0.79 | 0.70 | 4.77 | 9.27 | 0.01    | 0.08  | 0.26  | 0.34  | 0.08   | 0.06   | 0.14   | —    | 1,575 | 1,575 | 0.06 | 0.01    | 0.06    | 1,580 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2043                 | 2.42 | 2.04 | 14.5 | 19.0 | 0.05    | 0.48  | 7.89  | 8.38  | 0.44   | 3.99   | 4.44   | —    | 5,478 | 5,478 | 0.22 | 0.04    | < 0.005 | 5,496 |
| 2044                 | 2.30 | 1.94 | 13.4 | 18.3 | 0.05    | 0.42  | 7.89  | 8.32  | 0.39   | 3.99   | 4.38   | —    | 5,477 | 5,477 | 0.22 | 0.06    | < 0.005 | 5,496 |
| 2045                 | 20.6 | 20.6 | 6.72 | 12.9 | 0.03    | 0.12  | 0.46  | 0.59  | 0.11   | 0.11   | 0.23   | —    | 2,922 | 2,922 | 0.11 | 0.06    | < 0.005 | 2,943 |
| Average Daily        | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2043                 | 0.15 | 0.12 | 0.88 | 1.16 | < 0.005 | 0.03  | 0.48  | 0.51  | 0.03   | 0.24   | 0.27   | —    | 332   | 332   | 0.01 | < 0.005 | < 0.005 | 334   |
| 2044                 | 0.66 | 0.56 | 4.50 | 8.50 | 0.02    | 0.09  | 0.55  | 0.64  | 0.08   | 0.20   | 0.29   | —    | 1,910 | 1,910 | 0.07 | 0.04    | 0.04    | 1,922 |
| 2045                 | 1.37 | 1.34 | 1.22 | 2.34 | < 0.005 | 0.02  | 0.08  | 0.10  | 0.02   | 0.02   | 0.04   | —    | 462   | 462   | 0.02 | 0.01    | 0.01    | 465   |
| Annual               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |

|      |      |      |      |      |         |         |      |      |         |         |      |   |      |      |         |         |         |      |
|------|------|------|------|------|---------|---------|------|------|---------|---------|------|---|------|------|---------|---------|---------|------|
| 2043 | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01    | 0.09 | 0.09 | < 0.005 | 0.04    | 0.05 | — | 55.0 | 55.0 | < 0.005 | < 0.005 | < 0.005 | 55.2 |
| 2044 | 0.12 | 0.10 | 0.82 | 1.55 | < 0.005 | 0.02    | 0.10 | 0.12 | 0.02    | 0.04    | 0.05 | — | 316  | 316  | 0.01    | 0.01    | 0.01    | 318  |
| 2045 | 0.25 | 0.24 | 0.22 | 0.43 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 76.5 | 76.5 | < 0.005 | < 0.005 | < 0.005 | 76.9 |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T | PM2.5E  | PM2.5D  | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R       | CO2e  |
|----------------------|------|------|------|------|---------|---------|-------|-------|---------|---------|--------|------|-------|-------|---------|---------|---------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —     | —       | —       | —      | —    | —     | —     | —       | —       | —       | —     |
| 2044                 | 1.00 | 0.82 | 6.77 | 13.2 | 0.03    | 0.13    | 0.46  | 0.59  | 0.12    | 0.11    | 0.23   | —    | 2,951 | 2,951 | 0.11    | 0.06    | 0.14    | 2,971 |
| 2045                 | 0.79 | 0.70 | 4.77 | 9.27 | 0.01    | 0.08    | 0.26  | 0.34  | 0.08    | 0.06    | 0.14   | —    | 1,575 | 1,575 | 0.06    | 0.01    | 0.06    | 1,580 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —     | —       | —       | —      | —    | —     | —     | —       | —       | —       | —     |
| 2043                 | 2.42 | 2.04 | 14.5 | 19.0 | 0.05    | 0.48    | 7.89  | 8.38  | 0.44    | 3.99    | 4.44   | —    | 5,478 | 5,478 | 0.22    | 0.04    | < 0.005 | 5,496 |
| 2044                 | 2.30 | 1.94 | 13.4 | 18.3 | 0.05    | 0.42    | 7.89  | 8.32  | 0.39    | 3.99    | 4.38   | —    | 5,477 | 5,477 | 0.22    | 0.06    | < 0.005 | 5,496 |
| 2045                 | 20.6 | 20.6 | 6.72 | 12.9 | 0.03    | 0.12    | 0.46  | 0.59  | 0.11    | 0.11    | 0.23   | —    | 2,922 | 2,922 | 0.11    | 0.06    | < 0.005 | 2,943 |
| Average Daily        | —    | —    | —    | —    | —       | —       | —     | —     | —       | —       | —      | —    | —     | —     | —       | —       | —       | —     |
| 2043                 | 0.15 | 0.12 | 0.88 | 1.16 | < 0.005 | 0.03    | 0.48  | 0.51  | 0.03    | 0.24    | 0.27   | —    | 332   | 332   | 0.01    | < 0.005 | < 0.005 | 334   |
| 2044                 | 0.66 | 0.56 | 4.50 | 8.50 | 0.02    | 0.09    | 0.55  | 0.64  | 0.08    | 0.20    | 0.29   | —    | 1,910 | 1,910 | 0.07    | 0.04    | 0.04    | 1,922 |
| 2045                 | 1.37 | 1.34 | 1.22 | 2.34 | < 0.005 | 0.02    | 0.08  | 0.10  | 0.02    | 0.02    | 0.04   | —    | 462   | 462   | 0.02    | 0.01    | 0.01    | 465   |
| Annual               | —    | —    | —    | —    | —       | —       | —     | —     | —       | —       | —      | —    | —     | —     | —       | —       | —       | —     |
| 2043                 | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01    | 0.09  | 0.09  | < 0.005 | 0.04    | 0.05   | —    | 55.0  | 55.0  | < 0.005 | < 0.005 | < 0.005 | 55.2  |
| 2044                 | 0.12 | 0.10 | 0.82 | 1.55 | < 0.005 | 0.02    | 0.10  | 0.12  | 0.02    | 0.04    | 0.05   | —    | 316   | 316   | 0.01    | 0.01    | 0.01    | 318   |
| 2045                 | 0.25 | 0.24 | 0.22 | 0.43 | < 0.005 | < 0.005 | 0.01  | 0.02  | < 0.005 | < 0.005 | 0.01   | —    | 76.5  | 76.5  | < 0.005 | < 0.005 | < 0.005 | 76.9  |

## 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.              | 9.15 | 8.54 | 5.23 | 64.4 | 0.19 | 0.09  | 20.3  | 20.4  | 0.08   | 5.15   | 5.23   | 503  | 19,290 | 19,793 | 50.9 | 0.84 | 7.09 | 21,324 |
| Mit.                | 9.02 | 8.41 | 5.23 | 64.4 | 0.19 | 0.09  | 20.3  | 20.4  | 0.08   | 5.15   | 5.23   | 503  | 19,290 | 19,793 | 50.9 | 0.84 | 7.09 | 21,324 |
| % Reduced           | 1%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.30 | 7.74 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | 503  | 18,060 | 18,563 | 50.9 | 0.87 | 2.25 | 20,097 |
| Mit.                | 8.17 | 7.61 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | 503  | 18,060 | 18,563 | 50.9 | 0.87 | 2.25 | 20,097 |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 7.12 | 6.66 | 4.27 | 42.0 | 0.13 | 0.06  | 15.1  | 15.1  | 0.06   | 3.82   | 3.88   | 503  | 13,811 | 14,314 | 50.8 | 0.67 | 3.74 | 15,787 |
| Mit.                | 6.98 | 6.52 | 4.27 | 42.0 | 0.13 | 0.06  | 15.1  | 15.1  | 0.06   | 3.82   | 3.88   | 503  | 13,811 | 14,314 | 50.8 | 0.67 | 3.74 | 15,787 |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Annual (Max)        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 1.30 | 1.21 | 0.78 | 7.66 | 0.02 | 0.01  | 2.75  | 2.76  | 0.01   | 0.70   | 0.71   | 83.3 | 2,287  | 2,370  | 8.41 | 0.11 | 0.62 | 2,614  |
| Mit.                | 1.27 | 1.19 | 0.78 | 7.66 | 0.02 | 0.01  | 2.75  | 2.76  | 0.01   | 0.70   | 0.71   | 83.3 | 2,287  | 2,370  | 8.41 | 0.11 | 0.62 | 2,614  |
| % Reduced           | 2%   | 2%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |

## 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              | 6.60 | 6.04 | 5.20    | 60.8 | 0.19    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 19,098 | 19,098 | 0.57    | 0.79    | 4.96 | 19,353 |
| Area                | 2.55 | 2.50 | 0.03    | 3.61 | < 0.005 | 0.01    | —     | 0.01    | < 0.005 | —      | < 0.005 | —    | 14.8   | 14.8   | < 0.005 | < 0.005 | —    | 14.9   |
| Water               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 9.15 | 8.54 | 5.23    | 64.4 | 0.19    | 0.09    | 20.3  | 20.4    | 0.08    | 5.15   | 5.23    | 503  | 19,290 | 19,793 | 50.9    | 0.84    | 7.09 | 21,324 |
| Daily, Winter (Max) | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 6.40 | 5.83 | 5.59    | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 17,883 | 17,883 | 0.59    | 0.82    | 0.13 | 18,141 |
| Area                | 1.91 | 1.91 | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 8.30 | 7.74 | 5.59    | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | 503  | 18,060 | 18,563 | 50.9    | 0.87    | 2.25 | 20,097 |
| Average Daily       | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.77 | 4.34 | 4.25    | 39.5 | 0.13    | 0.06    | 15.1  | 15.1    | 0.06    | 3.82   | 3.88    | —    | 13,624 | 13,624 | 0.44    | 0.62    | 1.62 | 13,821 |
| Area                | 2.35 | 2.31 | 0.02    | 2.47 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 10.2   | 10.2   | < 0.005 | < 0.005 | —    | 10.2   |
| Water               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 7.12 | 6.66 | 4.27    | 42.0 | 0.13    | 0.06    | 15.1  | 15.1    | 0.06    | 3.82   | 3.88    | 503  | 13,811 | 14,314 | 50.8    | 0.67    | 3.74 | 15,787 |
| Annual              | —    | —    | —       | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 0.87 | 0.79 | 0.77    | 7.21 | 0.02    | 0.01    | 2.75  | 2.76    | 0.01    | 0.70   | 0.71    | —    | 2,256  | 2,256  | 0.07    | 0.10    | 0.27 | 2,288  |
| Area                | 0.43 | 0.42 | < 0.005 | 0.45 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 1.68   | 1.68   | < 0.005 | < 0.005 | —    | 1.69   |

|         |      |      |      |      |      |      |      |      |      |      |      |      |       |       |      |      |      |       |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|-------|
| Water   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 3.30 | 29.3  | 32.6  | 0.34 | 0.01 | —    | 43.6  |
| Waste   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 80.0 | 0.00  | 80.0  | 7.99 | 0.00 | —    | 280   |
| Refrig. | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —    | —    | 0.35 | 0.35  |
| Total   | 1.30 | 1.21 | 0.78 | 7.66 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | 83.3 | 2,287 | 2,370 | 8.41 | 0.11 | 0.62 | 2,614 |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 6.60 | 6.04 | 5.20 | 60.8 | 0.19    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 19,098 | 19,098 | 0.57    | 0.79    | 4.96 | 19,353 |
| Area                | 2.42 | 2.37 | 0.03 | 3.61 | < 0.005 | 0.01    | —     | 0.01    | < 0.005 | —      | < 0.005 | —    | 14.8   | 14.8   | < 0.005 | < 0.005 | —    | 14.9   |
| Water               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 9.02 | 8.41 | 5.23 | 64.4 | 0.19    | 0.09    | 20.3  | 20.4    | 0.08    | 5.15   | 5.23    | 503  | 19,290 | 19,793 | 50.9    | 0.84    | 7.09 | 21,324 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 6.40 | 5.83 | 5.59 | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | —    | 17,883 | 17,883 | 0.59    | 0.82    | 0.13 | 18,141 |
| Area                | 1.77 | 1.77 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig.             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total               | 8.17 | 7.61 | 5.59 | 50.6 | 0.17    | 0.08    | 20.3  | 20.4    | 0.07    | 5.15   | 5.22    | 503  | 18,060 | 18,563 | 50.9    | 0.87    | 2.25 | 20,097 |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.77 | 4.34 | 4.25 | 39.5 | 0.13    | 0.06    | 15.1  | 15.1    | 0.06    | 3.82   | 3.88    | —    | 13,624 | 13,624 | 0.44    | 0.62    | 1.62 | 13,821 |
| Area                | 2.21 | 2.18 | 0.02 | 2.47 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 10.2   | 10.2   | < 0.005 | < 0.005 | —    | 10.2   |



|         |      |      |         |      |         |         |      |         |         |      |         |      |        |        |         |         |      |        |
|---------|------|------|---------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Water   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 20.0 | 177    | 197    | 2.06    | 0.05    | —    | 263    |
| Waste   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 483  | 0.00   | 483    | 48.3    | 0.00    | —    | 1,690  |
| Refrig. | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 2.12 | 2.12   |
| Total   | 6.98 | 6.52 | 4.27    | 42.0 | 0.13    | 0.06    | 15.1 | 15.1    | 0.06    | 3.82 | 3.88    | 503  | 13,811 | 14,314 | 50.8    | 0.67    | 3.74 | 15,787 |
| Annual  | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile  | 0.87 | 0.79 | 0.77    | 7.21 | 0.02    | 0.01    | 2.75 | 2.76    | 0.01    | 0.70 | 0.71    | —    | 2,256  | 2,256  | 0.07    | 0.10    | 0.27 | 2,288  |
| Area    | 0.40 | 0.40 | < 0.005 | 0.45 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —    | 1.68   | 1.68   | < 0.005 | < 0.005 | —    | 1.69   |
| Water   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 3.30 | 29.3   | 32.6   | 0.34    | 0.01    | —    | 43.6   |
| Waste   | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | 80.0 | 0.00   | 80.0   | 7.99    | 0.00    | —    | 280    |
| Refrig. | —    | —    | —       | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.35 | 0.35   |
| Total   | 1.27 | 1.19 | 0.78    | 7.66 | 0.02    | 0.01    | 2.75 | 2.76    | 0.01    | 0.70 | 0.71    | 83.3 | 2,287  | 2,370  | 8.41    | 0.11    | 0.62 | 2,614  |

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2043) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment          | 2.39 | 2.01 | 14.5 | 18.6 | 0.05 | 0.48  | —     | 0.48  | 0.44   | —      | 0.44   | —    | 5,296 | 5,296 | 0.21 | 0.04 | — | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | — | —     |

|                             |      |      |      |      |         |      |      |      |         |      |         |   |      |      |         |         |         |      |
|-----------------------------|------|------|------|------|---------|------|------|------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.15 | 0.12 | 0.88 | 1.13 | < 0.005 | 0.03 | —    | 0.03 | 0.03    | —    | 0.03    | — | 321  | 321  | 0.01    | < 0.005 | —       | 322  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.47 | 0.47 | —       | 0.24 | 0.24    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.03 | 0.02 | 0.16 | 0.21 | < 0.005 | 0.01 | —    | 0.01 | < 0.005 | —    | < 0.005 | — | 53.2 | 53.2 | < 0.005 | < 0.005 | —       | 53.4 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —    | 0.08 | 0.08 | —       | 0.04 | 0.04    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —    | —    | —    | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02 | 0.02 | 0.02 | 0.41 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00    | 0.05 | 0.05    | — | 182  | 182  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.03    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | < 0.005 | 11.2 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | < 0.005 | 1.86 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.2. Site Preparation (2043) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 2.39 | 2.01 | 14.5 | 18.6 | 0.05 | 0.48  | —     | 0.48  | 0.44   | —      | 0.44   | —    | 5,296 | 5,296 | 0.21 | 0.04 | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 7.67  | 7.67  | —      | 3.94   | 3.94   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                             |         |         |         |      |         |      |      |      |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|---------|------|------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road                    | 0.15    | 0.12    | 0.88    | 1.13 | < 0.005 | 0.03 | —    | 0.03 | 0.03    | —       | 0.03    | — | 321  | 321  | 0.01    | < 0.005 | —       | 322  |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.47 | 0.47 | —       | 0.24    | 0.24    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.03    | 0.02    | 0.16    | 0.21 | < 0.005 | 0.01 | —    | 0.01 | < 0.005 | —       | < 0.005 | — | 53.2 | 53.2 | < 0.005 | < 0.005 | —       | 53.4 |
| Dust From Material Movement | —       | —       | —       | —    | —       | —    | 0.08 | 0.08 | —       | 0.04    | 0.04    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.41 | 0.00    | 0.00 | 0.23 | 0.23 | 0.00    | 0.05    | 0.05    | — | 182  | 182  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00    | 0.00 | 0.01 | 0.01 | 0.00    | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | < 0.005 | 11.2 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —       | —    | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | < 0.005 | 1.86 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.3. Site Preparation (2044) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.28 | 1.92 | 13.4 | 17.9 | 0.05    | 0.42    | —     | 0.42    | 0.39    | —      | 0.39    | —    | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 7.67  | 7.67    | —       | 3.94   | 3.94    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.08 | 0.11 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 31.1  | 31.1  | < 0.005 | < 0.005 | —    | 31.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.05  | 0.05    | —       | 0.02   | 0.02    | —    | —     | —     | —       | —       | —    | —     |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.15 | 5.15 | < 0.005 | < 0.005 | —       | 5.17 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.41    | 0.00    | 0.00    | 0.23    | 0.23    | 0.00    | 0.05    | 0.05    | — | 181  | 181  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.08 | 1.08 | < 0.005 | < 0.005 | < 0.005 | 1.08 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.18 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.18 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.4. Site Preparation (2044) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 2.28 | 1.92 | 13.4 | 17.9 | 0.05    | 0.42    | —     | 0.42    | 0.39    | —      | 0.39    | —    | 5,296 | 5,296 | 0.21    | 0.04    | —    | 5,314 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 7.67  | 7.67    | —       | 3.94   | 3.94    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.01 | 0.01 | 0.08 | 0.11 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 31.1  | 31.1  | < 0.005 | < 0.005 | —    | 31.2  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.05  | 0.05    | —       | 0.02   | 0.02    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.15 | 5.15 | < 0.005 | < 0.005 | —       | 5.17 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.01    | 0.01    | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.41    | 0.00    | 0.00    | 0.23    | 0.23    | 0.00    | 0.05    | 0.05    | — | 181  | 181  | < 0.005 | < 0.005 | < 0.005 | 182  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.08 | 1.08 | < 0.005 | < 0.005 | < 0.005 | 1.08 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.18 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.18 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Fine Grading (2044) - Unmitigated

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



| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.23 | 1.03 | 7.54 | 13.7 | 0.03    | 0.21    | —     | 0.21    | 0.19    | —      | 0.19    | —    | 2,959 | 2,959 | 0.12    | 0.02    | —    | 2,969 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76  | 2.76    | —       | 1.34   | 1.34    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.09 | 0.64 | 1.17 | < 0.005 | 0.02    | —     | 0.02    | 0.02    | —      | 0.02    | —    | 251   | 251   | 0.01    | < 0.005 | —    | 252   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.23  | 0.23    | —       | 0.11   | 0.11    | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.02 | 0.02 | 0.12 | 0.21 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 41.6  | 41.6  | < 0.005 | < 0.005 | —    | 41.8  |

|                             |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —    | —    | —    | 0.04    | 0.04    | —    | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.02    | 0.02    | 0.02    | 0.35 | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 155  | 155  | < 0.005 | < 0.005 | < 0.005 | 156  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.02    | 0.02    | 0.00 | < 0.005 | < 0.005 | — | 13.4 | 13.4 | < 0.005 | < 0.005 | < 0.005 | 13.4 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.22 | 2.22 | < 0.005 | < 0.005 | < 0.005 | 2.22 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.6. Fine Grading (2044) - Mitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 1.23 | 1.03 | 7.54 | 13.7 | 0.03    | 0.21    | —    | 0.21    | 0.19    | —    | 0.19    | — | 2,959 | 2,959 | 0.12    | 0.02    | —    | 2,969 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 2.76 | 2.76    | —       | 1.34 | 1.34    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.09 | 0.64 | 1.17 | < 0.005 | 0.02    | —    | 0.02    | 0.02    | —    | 0.02    | — | 251   | 251   | 0.01    | < 0.005 | —    | 252   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.23 | 0.23    | —       | 0.11 | 0.11    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.02 | 0.02 | 0.12 | 0.21 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 41.6  | 41.6  | < 0.005 | < 0.005 | —    | 41.8  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.04 | 0.04    | —       | 0.02 | 0.02    | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.35 | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 155  | 155  | < 0.005 | < 0.005 | < 0.005 | 156  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.02    | 0.02    | 0.00 | < 0.005 | < 0.005 | — | 13.4 | 13.4 | < 0.005 | < 0.005 | < 0.005 | 13.4 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.22 | 2.22 | < 0.005 | < 0.005 | < 0.005 | 2.22 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building Construction (2044) - Unmitigated

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

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

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12    | —    | 0.12 | 0.11    | —    | 0.11 | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12    | —    | 0.12 | 0.11    | —    | 0.11 | — | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.51 | 0.42 | 3.53 | 6.66 | 0.01    | 0.07    | —    | 0.07 | 0.06    | —    | 0.06 | — | 1,304 | 1,304 | 0.05    | 0.01    | —    | 1,308 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.09 | 0.08 | 0.64 | 1.21 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.05 | 0.04 | 0.03 | 0.83 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08 | 0.08 | — | 300   | 300   | < 0.005 | < 0.005 | 0.10 | 300   |
| Vendor              | 0.02 | 0.01 | 0.25 | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03 | 0.04 | — | 254   | 254   | 0.01    | 0.04    | 0.04 | 266   |

|                           |         |         |         |      |         |         |      |      |         |         |         |   |      |      |         |         |         |      |
|---------------------------|---------|---------|---------|------|---------|---------|------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily,<br>Winter<br>(Max) | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | 0.04    | 0.04    | 0.03    | 0.62 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08    | 0.08    | — | 275  | 275  | < 0.005 | < 0.005 | < 0.005 | 276  |
| Vendor                    | 0.01    | 0.01    | 0.27    | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03    | 0.04    | — | 254  | 254  | 0.01    | 0.04    | < 0.005 | 266  |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average<br>Daily          | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.19 | 0.19 | 0.00    | 0.04    | 0.04    | — | 152  | 152  | < 0.005 | < 0.005 | 0.02    | 152  |
| Vendor                    | 0.01    | < 0.005 | 0.14    | 0.08 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02    | 0.02    | — | 138  | 138  | 0.01    | 0.02    | 0.01    | 145  |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                    | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                    | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03 | 0.03 | 0.00    | 0.01    | 0.01    | — | 25.1 | 25.1 | < 0.005 | < 0.005 | < 0.005 | 25.2 |
| Vendor                    | < 0.005 | < 0.005 | 0.03    | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22.9 | 22.9 | < 0.005 | < 0.005 | < 0.005 | 24.0 |
| Hauling                   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.8. Building Construction (2044) - Mitigated

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

| Location                  | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                    | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily,<br>Summer<br>(Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road<br>Equipment     | 0.93 | 0.78 | 6.48 | 12.2 | 0.02 | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite<br>truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |      |      |      |      |         |         |      |      |         |      |      |   |       |       |         |         |         |       |
|---------------------|------|------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|---------|-------|
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.93 | 0.78 | 6.48 | 12.2 | 0.02    | 0.12    | —    | 0.12 | 0.11    | —    | 0.11 | — | 2,397 | 2,397 | 0.10    | 0.02    | —       | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.51 | 0.42 | 3.53 | 6.66 | 0.01    | 0.07    | —    | 0.07 | 0.06    | —    | 0.06 | — | 1,304 | 1,304 | 0.05    | 0.01    | —       | 1,308 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.09 | 0.08 | 0.64 | 1.21 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 216   | 216   | 0.01    | < 0.005 | —       | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.05 | 0.04 | 0.03 | 0.83 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08 | 0.08 | — | 300   | 300   | < 0.005 | < 0.005 | 0.10    | 300   |
| Vendor              | 0.02 | 0.01 | 0.25 | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03 | 0.04 | — | 254   | 254   | 0.01    | 0.04    | 0.04    | 266   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.04 | 0.04 | 0.03 | 0.62 | 0.00    | 0.00    | 0.35 | 0.35 | 0.00    | 0.08 | 0.08 | — | 275   | 275   | < 0.005 | < 0.005 | < 0.005 | 276   |

|               |         |         |         |      |         |         |      |      |         |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|------|---------|---------|------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor        | 0.01    | 0.01    | 0.27    | 0.14 | < 0.005 | < 0.005 | 0.12 | 0.12 | < 0.005 | 0.03    | 0.04    | — | 254  | 254  | 0.01    | 0.04    | < 0.005 | 266  |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | 0.02    | 0.02    | 0.02    | 0.35 | 0.00    | 0.00    | 0.19 | 0.19 | 0.00    | 0.04    | 0.04    | — | 152  | 152  | < 0.005 | < 0.005 | 0.02    | 152  |
| Vendor        | 0.01    | < 0.005 | 0.14    | 0.08 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02    | 0.02    | — | 138  | 138  | 0.01    | 0.02    | 0.01    | 145  |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —    | —       | —       | —    | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03 | 0.03 | 0.00    | 0.01    | 0.01    | — | 25.1 | 25.1 | < 0.005 | < 0.005 | < 0.005 | 25.2 |
| Vendor        | < 0.005 | < 0.005 | 0.03    | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22.9 | 22.9 | < 0.005 | < 0.005 | < 0.005 | 24.0 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2045) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.92 | 0.77 | 6.42 | 12.2 | 0.02 | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,397 | 2,397 | 0.10 | 0.02 | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |



|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipm     | 0.08    | 0.07    | 0.58    | 1.09    | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 216  | 216  | 0.01    | < 0.005 | —       | 217  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.02    | 0.01    | 0.11    | 0.20    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 35.7 | 35.7 | < 0.005 | < 0.005 | —       | 35.8 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.61    | 0.00    | 0.00    | 0.35    | 0.35    | 0.00    | 0.08    | 0.08    | — | 274  | 274  | < 0.005 | < 0.005 | < 0.005 | 275  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14    | < 0.005 | < 0.005 | 0.12    | 0.12    | < 0.005 | 0.03    | 0.04    | — | 251  | 251  | 0.01    | 0.04    | < 0.005 | 263  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.0 | 25.0 | < 0.005 | < 0.005 | < 0.005 | 25.1 |
| Vendor              | < 0.005 | < 0.005 | 0.02    | 0.01    | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | — | 22.6 | 22.6 | < 0.005 | < 0.005 | < 0.005 | 23.6 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 4.15 | 4.15 | < 0.005 | < 0.005 | < 0.005 | 4.15 |
| Vendor              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.74 | 3.74 | < 0.005 | < 0.005 | < 0.005 | 3.91 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.10. Building Construction (2045) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.92 | 0.77 | 6.42 | 12.2 | 0.02    | 0.12    | —     | 0.12    | 0.11    | —      | 0.11    | —    | 2,397 | 2,397 | 0.10    | 0.02    | —    | 2,405 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.08 | 0.07 | 0.58 | 1.09 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 216   | 216   | 0.01    | < 0.005 | —    | 217   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.02 | 0.01 | 0.11 | 0.20 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 35.7  | 35.7  | < 0.005 | < 0.005 | —    | 35.8  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.03    | 0.61    | 0.00    | 0.00    | 0.35    | 0.35    | 0.00    | 0.08    | 0.08    | — | 274  | 274  | < 0.005 | < 0.005 | < 0.005 | 275  |
| Vendor              | 0.01    | 0.01    | 0.27    | 0.14    | < 0.005 | < 0.005 | 0.12    | 0.12    | < 0.005 | 0.03    | 0.04    | — | 251  | 251  | 0.01    | 0.04    | < 0.005 | 263  |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.0 | 25.0 | < 0.005 | < 0.005 | < 0.005 | 25.1 |
| Vendor              | < 0.005 | < 0.005 | 0.02    | 0.01    | < 0.005 | < 0.005 | 0.01    | 0.01    | < 0.005 | < 0.005 | < 0.005 | — | 22.6 | 22.6 | < 0.005 | < 0.005 | < 0.005 | 23.6 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 4.15 | 4.15 | < 0.005 | < 0.005 | < 0.005 | 4.15 |
| Vendor              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.74 | 3.74 | < 0.005 | < 0.005 | < 0.005 | 3.91 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.11. Paving+ landscaping (2045) - 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 | 0.54 | 0.46 | 4.75 | 8.66 | 0.01 | 0.08  | —     | 0.08  | 0.08   | —      | 0.08   | —    | 1,350 | 1,350 | 0.05 | 0.01 | —    | 1,354 |
| Paving              | 0.22 | 0.22 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.54    | 0.46    | 4.75 | 8.66 | 0.01    | 0.08    | —    | 0.08    | 0.08    | —    | 0.08    | — | 1,350 | 1,350 | 0.05    | 0.01    | —    | 1,354 |
| Paving              | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.07    | 0.05    | 0.57 | 1.04 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 163   | 163   | 0.01    | < 0.005 | —    | 163   |
| Paving              | 0.03    | 0.03    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.19 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 26.9  | 26.9  | < 0.005 | < 0.005 | —    | 27.0  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03    | 0.03    | 0.02 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26    | 0.00    | 0.06 | 0.06    | — | 225   | 225   | < 0.005 | < 0.005 | 0.06 | 225   |
| Vendor              | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.03    | 0.02    | 0.46 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 207  | 207  | < 0.005 | < 0.005 | < 0.005 | 207  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01    | 0.01    | — | 25.3 | 25.3 | < 0.005 | < 0.005 | < 0.005 | 25.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.18 | 4.18 | < 0.005 | < 0.005 | < 0.005 | 4.19 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.12. Paving+ landscaping (2045) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipm ent | 0.54 | 0.46 | 4.75 | 8.66 | 0.01 | 0.08  | —     | 0.08  | 0.08   | —      | 0.08   | —    | 1,350 | 1,350 | 0.05 | 0.01 | —    | 1,354 |
| Paving              | 0.22 | 0.22 | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |      |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.54    | 0.46    | 4.75 | 8.66 | 0.01    | 0.08    | —    | 0.08    | 0.08    | —    | 0.08    | — | 1,350 | 1,350 | 0.05    | 0.01    | —    | 1,354 |
| Paving              | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.07    | 0.05    | 0.57 | 1.04 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 163   | 163   | 0.01    | < 0.005 | —    | 163   |
| Paving              | 0.03    | 0.03    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.19 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 26.9  | 26.9  | < 0.005 | < 0.005 | —    | 27.0  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.03    | 0.03    | 0.02 | 0.62 | 0.00    | 0.00    | 0.26 | 0.26    | 0.00    | 0.06 | 0.06    | — | 225   | 225   | < 0.005 | < 0.005 | 0.06 | 225   |
| Vendor              | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |         |      |      |      |      |      |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|------|------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.03    | 0.03    | 0.02    | 0.46 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06    | 0.06    | — | 207  | 207  | < 0.005 | < 0.005 | < 0.005 | 207  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01    | 0.01    | — | 25.3 | 25.3 | < 0.005 | < 0.005 | < 0.005 | 25.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —    | —    | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.18 | 4.18 | < 0.005 | < 0.005 | < 0.005 | 4.19 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.13. Architectural Coating (2045) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R | CO2e |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|---|------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | — | —    |
| Off-Road Equipment  | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | — | 134  |

|                        |         |         |      |      |         |         |      |         |         |      |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|---------|------|
| Architectural Coating  | 20.5    | 20.5    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | 0.01    | 0.01    | 0.04 | 0.06 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 7.68 | 7.68 | < 0.005 | < 0.005 | —       | 7.71 |
| Architectural Coatings | 1.18    | 1.18    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 1.27 | 1.27 | < 0.005 | < 0.005 | —       | 1.28 |
| Architectural Coatings | 0.22    | 0.22    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01 | 0.12 | 0.00    | 0.00    | 0.07 | 0.07    | 0.00    | 0.02 | 0.02    | — | 54.9 | 54.9 | < 0.005 | < 0.005 | < 0.005 | 55.0 |
| Vendor                 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |



|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.20 | 3.20 | < 0.005 | < 0.005 | < 0.005 | 3.21 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.53 | 0.53 | < 0.005 | < 0.005 | < 0.005 | 0.53 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.14. Architectural Coating (2045) - Mitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4  | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01 | < 0.005 | —    | 134  |
| Architectural Coatings | 20.5 | 20.5 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —    | —       | —    | —    |

|                        |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment     | 0.01    | 0.01    | 0.04    | 0.06 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 7.68 | 7.68 | < 0.005 | < 0.005 | —       | 7.71 |
| Architectural Coatings | 1.18    | 1.18    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01    | 0.01 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.27 | 1.27 | < 0.005 | < 0.005 | —       | 1.28 |
| Architectural Coatings | 0.22    | 0.22    | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01    | 0.12 | 0.00    | 0.00    | 0.07    | 0.07    | 0.00    | 0.02    | 0.02    | — | 54.9 | 54.9 | < 0.005 | < 0.005 | < 0.005 | 55.0 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 3.20 | 3.20 | < 0.005 | < 0.005 | < 0.005 | 3.21 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.53 | 0.53 | < 0.005 | < 0.005 | < 0.005 | 0.53 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.15. Utilities Trenching and Installation (2044) - Unmitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.11    | 0.09    | 1.08 | 1.32 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09 | 0.11 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 17.1  | 17.1 | < 0.005 | < 0.005 | —    | 17.1 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 2.82  | 2.82 | < 0.005 | < 0.005 | —    | 2.83 |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00 | 0.00 | 0.03    | 0.03    | 0.00 | 0.01    | 0.01    | — | 25.9 | 25.9 | < 0.005 | < 0.005 | < 0.005 | 26.0 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.16 | 2.16 | < 0.005 | < 0.005 | < 0.005 | 2.16 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.36 | 0.36 | < 0.005 | < 0.005 | < 0.005 | 0.36 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Utilities Trenching and Installation (2044) - Mitigated

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

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

|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | 0.11    | 0.09    | 1.08    | 1.32 | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | 0.01    | 0.01    | 0.09    | 0.11 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 17.1 | 17.1 | < 0.005 | < 0.005 | —       | 17.1 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 2.82 | 2.82 | < 0.005 | < 0.005 | —       | 2.83 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.9 | 25.9 | < 0.005 | < 0.005 | < 0.005 | 26.0 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.16 | 2.16 | < 0.005 | < 0.005 | < 0.005 | 2.16 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.36 | 0.36 | < 0.005 | < 0.005 | < 0.005 | 0.36 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |

|                         |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Medical Office Building | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total                   | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |

#### 4.1.2. Mitigated

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

| Land Use                | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|-------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.60 | 6.04 | 5.20 | 60.8 | 0.19 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 19,098 | 19,098 | 0.57 | 0.79 | 4.96 | 19,353 |
| Daily, Winter (Max)     | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Parking Lot             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total                   | 6.40 | 5.83 | 5.59 | 50.6 | 0.17 | 0.08  | 20.3  | 20.4  | 0.07   | 5.15   | 5.22   | —    | 17,883 | 17,883 | 0.59 | 0.82 | 0.13 | 18,141 |
| Annual                  | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Medical Office Building | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01  | 2.75  | 2.76  | 0.01   | 0.70   | 0.71   | —    | 2,256  | 2,256  | 0.07 | 0.10 | 0.27 | 2,288  |

|             |      |      |      |      |      |      |      |      |      |      |      |   |       |       |      |      |      |       |
|-------------|------|------|------|------|------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Total       | 0.87 | 0.79 | 0.77 | 7.21 | 0.02 | 0.01 | 2.75 | 2.76 | 0.01 | 0.70 | 0.71 | — | 2,256 | 2,256 | 0.07 | 0.10 | 0.27 | 2,288 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

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



|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

#### 4.2.3. 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|---------|--------|---------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 1.79 | 1.79 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.12 | 0.12 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.64 | 0.59 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |
| Total                  | 2.55 | 2.50 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 1.79 | 1.79 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.12 | 0.12 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Total                  | 1.91 | 1.91 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |

|                        |      |      |         |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|------------------------|------|------|---------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Annual                 | —    | —    | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.33 | 0.33 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.02 | 0.02 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.08 | 0.07 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |
| Total                  | 0.43 | 0.42 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |

#### 4.3.2. Mitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|---------|--------|---------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 1.66 | 1.66 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.12 | 0.12 | —    | —    | —       | —     | —     | —     | —       | —      | —       | —    | —     | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.64 | 0.59 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |
| Total                  | 2.42 | 2.37 | 0.03 | 3.61 | < 0.005 | 0.01  | —     | 0.01  | < 0.005 | —      | < 0.005 | —    | 14.8  | 14.8 | < 0.005 | < 0.005 | — | 14.9 |

|                        |      |      |         |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|------------------------|------|------|---------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Daily, Winter (Max)    | —    | —    | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 1.66 | 1.66 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.12 | 0.12 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                  | 1.77 | 1.77 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.30 | 0.30 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.02 | 0.02 | —       | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.08 | 0.07 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |
| Total                  | 0.40 | 0.40 | < 0.005 | 0.45 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 1.68 | 1.68 | < 0.005 | < 0.005 | — | 1.69 |

#### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |

#### 4.4.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 20.0 | 177   | 197  | 2.06 | 0.05 | — | 263  |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Daily, Winter (Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 20.0 | 177  | 197  | 2.06 | 0.05 | — | 263  |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 29.3 | 32.6 | 0.34 | 0.01 | — | 43.6 |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |

|                               |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Total                         | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Daily,<br>Winter<br>(Max)     | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical<br>Office<br>Building | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking<br>Lot                | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                         | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Annual                        | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical<br>Office<br>Building | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |
| Parking<br>Lot                | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                         | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |

#### 4.5.2. Mitigated

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

| Land<br>Use                   | 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |
| Medical<br>Office<br>Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking<br>Lot                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 483  | 0.00  | 483  | 48.3 | 0.00 | — | 1,690 |
| Daily,<br>Winter<br>(Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —     |

|                         |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |       |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|-------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 483  | 0.00 | 483  | 48.3 | 0.00 | — | 1,690 |
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —     |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |
| Parking Lot             | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | 80.0 | 0.00 | 80.0 | 7.99 | 0.00 | — | 280   |

## 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)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |



|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Annual                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.35 | 0.35 |
| Total                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.35 | 0.35 |

#### 4.6.2. Mitigated

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

| Land Use                | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|-------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Daily, Winter (Max)     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 2.12 | 2.12 |
| Annual                  | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Medical Office Building | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.35 | 0.35 |
| Total                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.35 | 0.35 |

#### 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.7.2. Mitigated

## 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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.8.2. Mitigated

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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

## 4.9. 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<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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

#### 4.10. 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    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —           | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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



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

## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name                           | Phase Type            | Start Date | End Date  | Days Per Week | Work Days per Phase | Phase Description |
|--------------------------------------|-----------------------|------------|-----------|---------------|---------------------|-------------------|
| Site Preparation                     | Site Preparation      | 12/1/2043  | 1/3/2044  | 5.00          | 24.0                | —                 |
| Fine Grading                         | Grading               | 2/14/2044  | 3/28/2044 | 5.00          | 31.0                | —                 |
| Building Construction                | Building Construction | 3/29/2044  | 2/15/2045 | 5.00          | 232                 | —                 |
| Paving+ landscaping                  | Paving                | 3/17/2045  | 5/17/2045 | 5.00          | 44.0                | —                 |
| Architectural Coating                | Architectural Coating | 2/16/2045  | 3/16/2045 | 5.00          | 21.0                | —                 |
| Utilities Trenching and Installation | Trenching             | 1/4/2044   | 2/13/2044 | 5.00          | 30.0                | —                 |

### 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 |
|------------|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|------------|----------------|-----------|-------------|----------------|---------------|------------|-------------|

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Site Preparation                     | Rubber Tired Dozers        | Diesel | Average | 3.00 | 8.00 | 367  | 0.40 |
| Site Preparation                     | Tractors/Loaders/Back hoes | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Fine Grading                         | Excavators                 | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Fine Grading                         | Graders                    | Diesel | Average | 1.00 | 8.00 | 148  | 0.41 |
| Fine Grading                         | Rubber Tired Dozers        | Diesel | Average | 1.00 | 8.00 | 367  | 0.40 |
| Fine Grading                         | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction                | Cranes                     | Diesel | Average | 1.00 | 7.00 | 367  | 0.29 |
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ landscaping                  | Cement and Mortar Mixers   | Diesel | Average | 2.00 | 6.00 | 10.0 | 0.56 |
| Paving+ landscaping                  | Pavers                     | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving+ landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 6.00 | 89.0 | 0.36 |
| Paving+ landscaping                  | Rollers                    | Diesel | Average | 2.00 | 6.00 | 36.0 | 0.38 |
| Paving+ landscaping                  | Tractors/Loaders/Back hoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name       | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation | Rubber Tired Dozers        | Diesel    | Average     | 3.00           | 8.00          | 367        | 0.40        |
| Site Preparation | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00           | 8.00          | 84.0       | 0.37        |
| Fine Grading     | Excavators                 | Diesel    | Average     | 1.00           | 8.00          | 36.0       | 0.38        |

|                                      |                            |        |         |      |      |      |      |
|--------------------------------------|----------------------------|--------|---------|------|------|------|------|
| Fine Grading                         | Graders                    | Diesel | Average | 1.00 | 8.00 | 148  | 0.41 |
| Fine Grading                         | Rubber Tired Dozers        | Diesel | Average | 1.00 | 8.00 | 367  | 0.40 |
| Fine Grading                         | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction                | Cranes                     | Diesel | Average | 1.00 | 7.00 | 367  | 0.29 |
| Building Construction                | Forklifts                  | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction                | Generator Sets             | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction                | Tractors/Loaders/Back hoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction                | Welders                    | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving+ landscaping                  | Cement and Mortar Mixers   | Diesel | Average | 2.00 | 6.00 | 10.0 | 0.56 |
| Paving+ landscaping                  | Pavers                     | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving+ landscaping                  | Paving Equipment           | Diesel | Average | 2.00 | 6.00 | 89.0 | 0.36 |
| Paving+ landscaping                  | Rollers                    | Diesel | Average | 2.00 | 6.00 | 36.0 | 0.38 |
| Paving+ landscaping                  | Tractors/Loaders/Back hoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Architectural Coating                | Air Compressors            | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                  | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name       | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | —            | —                     | —              | —             |
| Site Preparation | Worker       | 17.5                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation | Onsite truck | —                     | —              | HHDT          |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 26.6 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 13.6 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ landscaping                  | —            | —    | —    | —             |
| Paving+ landscaping                  | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 5.31 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | Onsite truck | —    | —    | HHDT          |

## 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|------------|-----------|-----------------------|----------------|-------------|
|------------|-----------|-----------------------|----------------|-------------|

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Site Preparation                     | —            | —    | —    | —             |
| Site Preparation                     | Worker       | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00 | 20.0 | HHDT          |
| Site Preparation                     | Onsite truck | —    | —    | HHDT          |
| Building Construction                | —            | —    | —    | —             |
| Building Construction                | Worker       | 26.6 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 13.6 | 10.2 | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00 | 20.0 | HHDT          |
| Building Construction                | Onsite truck | —    | —    | HHDT          |
| Paving+ landscaping                  | —            | —    | —    | —             |
| Paving+ landscaping                  | Worker       | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving+ landscaping                  | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Paving+ landscaping                  | Hauling      | 0.00 | 20.0 | HHDT          |
| Paving+ landscaping                  | Onsite truck | —    | —    | HHDT          |
| Architectural Coating                | —            | —    | —    | —             |
| Architectural Coating                | Worker       | 5.31 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |

|              |              |      |      |      |
|--------------|--------------|------|------|------|
| Fine Grading | Hauling      | 0.00 | 20.0 | HHDT |
| Fine Grading | 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 | 0.00                                     | 0.00                                     | 124,500                                      | 41,500                                       | 9,762                       |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name          | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation    | —                      | —                      | 36.0                 | 0.00                          | —                   |
| Fine Grading        | —                      | —                      | 31.0                 | 0.00                          | —                   |
| Paving+ landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 3.73                |

### 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

| Land Use                | Area Paved (acres) | % Asphalt |
|-------------------------|--------------------|-----------|
| Medical Office Building | 0.00               | 0%        |
| Parking Lot             | 3.73               | 100%      |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2043 | 0.00         | 532 | 0.03 | < 0.005 |
| 2044 | 0.00         | 532 | 0.03 | < 0.005 |
| 2045 | 0.00         | 532 | 0.03 | < 0.005 |

## 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  |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Medical Office Building | 2,988         | 711            | 118          | 822,250    | 28,633      | 6,816        | 1,129      | 7,879,360 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

### 5.9.2. Mitigated

| Land Use Type           | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year  |
|-------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Medical Office Building | 2,988         | 711            | 118          | 822,250    | 28,633      | 6,816        | 1,129      | 7,879,360 |
| Parking Lot             | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

## 5.10. Operational Area Sources

## 5.10.1. Hearths

## 5.10.1.1. Unmitigated

## 5.10.1.2. Mitigated

## 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 124,500                                      | 41,500                                       | 9,762                       |

## 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 5.10.4. Landscape Equipment - Mitigated

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.11.2. Mitigated



## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.12. Operational Water and Wastewater Consumption

## 5.12.1. Unmitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 10,414,885              | 9,523,060                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.12.2. Mitigated

| Land Use                | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------------------|-------------------------|--------------------------|
| Medical Office Building | 10,414,885              | 9,523,060                |
| Parking Lot             | 0.00                    | 0.00                     |

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 896              | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.13.2. Mitigated

| Land Use                | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------------------|------------------|-------------------------|
| Medical Office Building | 896              | —                       |
| Parking Lot             | 0.00             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

### 5.14.2. Mitigated

| Land Use Type           | Equipment Type                          | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|-------------------------|-----------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Medical Office Building | Household refrigerators and/or freezers | R-134a      | 1,430 | 0.45          | 0.60                 | 0.00              | 1.00           |
| Medical Office Building | Other commercial A/C and heat pumps     | R-410A      | 2,088 | < 0.005       | 4.00                 | 4.00              | 18.0           |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

#### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

#### 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

#### 5.18. Vegetation

##### 5.18.1. Land Use Change

###### 5.18.1.1. Unmitigated

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

###### 5.18.1.2. Mitigated

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

##### 5.18.1. Biomass Cover Type

###### 5.18.1.1. Unmitigated

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

###### 5.18.1.2. Mitigated

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

## 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

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

### 5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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                        | 100                             |
| AQ-PM                           | 57.4                            |
| AQ-DPM                          | 82.8                            |
| Drinking Water                  | 96.3                            |
| Lead Risk Housing               | 29.2                            |
| Pesticides                      | 74.7                            |
| Toxic Releases                  | 44.2                            |
| Traffic                         | 81.0                            |
| Effect Indicators               | —                               |
| CleanUp Sites                   | 81.9                            |
| Groundwater                     | 47.6                            |
| Haz Waste Facilities/Generators | 96.8                            |
| Impaired Water Bodies           | 12.5                            |
| Solid Waste                     | 0.00                            |
| Sensitive Population            | —                               |
| Asthma                          | 34.7                            |
| Cardio-vascular                 | 45.1                            |
| Low Birth Weights               | 75.6                            |
| Socioeconomic Factor Indicators | —                               |

|              |      |
|--------------|------|
| Education    | 39.2 |
| Housing      | 89.1 |
| Linguistic   | 17.3 |
| Poverty      | 55.9 |
| Unemployment | 14.4 |

## 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          | 37.76466059                     |
| Employed               | 27.51186963                     |
| Median HI              | 26.53663544                     |
| Education              | —                               |
| Bachelor's or higher   | 60.5800077                      |
| High school enrollment | 100                             |
| Preschool enrollment   | 11.52316181                     |
| Transportation         | —                               |
| Auto Access            | 62.47914795                     |
| Active commuting       | 28.56409598                     |
| Social                 | —                               |
| 2-parent households    | 37.02040293                     |
| Voting                 | 39.83061722                     |
| Neighborhood           | —                               |
| Alcohol availability   | 30.07827538                     |
| Park access            | 50.53252919                     |
| Retail density         | 65.94379571                     |
| Supermarket access     | 72.28281791                     |

|                                              |             |
|----------------------------------------------|-------------|
| Tree canopy                                  | 43.62889773 |
| Housing                                      | —           |
| Homeownership                                | 9.303220839 |
| Housing habitability                         | 37.12305916 |
| Low-inc homeowner severe housing cost burden | 73.38637239 |
| Low-inc renter severe housing cost burden    | 66.31592455 |
| Uncrowded housing                            | 31.19466188 |
| Health Outcomes                              | —           |
| Insured adults                               | 48.58206082 |
| Arthritis                                    | 92.2        |
| Asthma ER Admissions                         | 65.8        |
| High Blood Pressure                          | 95.2        |
| Cancer (excluding skin)                      | 82.6        |
| Asthma                                       | 30.0        |
| Coronary Heart Disease                       | 94.7        |
| Chronic Obstructive Pulmonary Disease        | 71.2        |
| Diagnosed Diabetes                           | 92.6        |
| Life Expectancy at Birth                     | 79.7        |
| Cognitively Disabled                         | 52.2        |
| Physically Disabled                          | 60.6        |
| Heart Attack ER Admissions                   | 32.7        |
| Mental Health Not Good                       | 41.5        |
| Chronic Kidney Disease                       | 95.6        |
| Obesity                                      | 56.2        |
| Pedestrian Injuries                          | 53.3        |
| Physical Health Not Good                     | 67.2        |
| Stroke                                       | 91.3        |
| Health Risk Behaviors                        | —           |



|                                       |      |
|---------------------------------------|------|
| Binge Drinking                        | 13.6 |
| Current Smoker                        | 36.3 |
| No Leisure Time for Physical Activity | 67.1 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 7.3  |
| Elderly                               | 81.9 |
| English Speaking                      | 84.0 |
| Foreign-born                          | 37.0 |
| Outdoor Workers                       | 85.1 |
| Climate Change Adaptive Capacity      | —    |
| Impervious Surface Cover              | 69.4 |
| Traffic Density                       | 74.6 |
| Traffic Access                        | 23.0 |
| Other Indices                         | —    |
| Hardship                              | 54.2 |
| Other Decision Support                | —    |
| 2016 Voting                           | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 72.0                            |
| Healthy Places Index Score for Project Location (b)                                 | 32.0                            |
| 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

| Screen                               | Justification    |
|--------------------------------------|------------------|
| Land Use                             | Client provided  |
| Construction: Construction Phases    | Client provided. |
| Construction: Off-Road Equipment     | Default          |
| Construction: Architectural Coatings | SCAQMD 1113      |
| Operations: Vehicle Data             | Traffic Study    |
| Operations: Energy Use               | Utility on site. |
| Operations: Architectural Coatings   | SCAQMD 1113      |

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## **APPENDIX D2.8**

### **Phase 4 CalEEMod Without Mitigation**

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# 7214\_Redlands – Kaiser Permanente Medical Center- Phase 4 Detailed Report

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### 7.1. CalEnviroScreen 4.0 Scores

### 7.2. Healthy Places Index Scores

### 7.3. Overall Health & Equity Scores

### 7.4. Health & Equity Measures

### 7.5. Evaluation Scorecard

### 7.6. Health & Equity Custom Measures

## 8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                                     |
|-----------------------------|-----------------------------------------------------------|
| Project Name                | 7214_Redlands – Kaiser Permanente Medical Center- Phase 4 |
| Construction Start Date     | 11/1/2047                                                 |
| Operational Year            | 2050                                                      |
| Lead Agency                 | —                                                         |
| Land Use Scale              | Project/site                                              |
| Analysis Level for Defaults | County                                                    |
| Windspeed (m/s)             | 2.50                                                      |
| Precipitation (days)        | 24.0                                                      |
| Location                    | 34.07231170887854, -117.22884775664832                    |
| County                      | San Bernardino-South Coast                                |
| City                        | Redlands                                                  |
| Air District                | South Coast AQMD                                          |
| Air Basin                   | South Coast                                               |
| TAZ                         | 5394                                                      |
| EDFZ                        | 10                                                        |
| Electric Utility            | Southern California Edison                                |
| Gas Utility                 | Southern California Gas                                   |
| App Version                 | 2022.1.1.29                                               |

## 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 |
|------------------|------|------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Hospital         | 108  | Bed  | 0.69        | 180,000               | 563,000                | —                              | —          | —           |

|             |     |       |      |      |      |   |   |                         |
|-------------|-----|-------|------|------|------|---|---|-------------------------|
| Parking Lot | 249 | Space | 2.24 | 0.00 | 0.00 | — | — | Parking +parking excess |
|-------------|-----|-------|------|------|------|---|---|-------------------------|

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

| Sector       | #    | Measure Title                       |
|--------------|------|-------------------------------------|
| Construction | C-9  | Use Dust Suppressants               |
| Construction | C-13 | Use Low-VOC Paints for Construction |
| Area Sources | AS-1 | Use Low-VOC Cleaning Supplies       |
| Area Sources | AS-2 | Use Low-VOC Paints                  |

## 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.              | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15    | 3,405 |
| Mit.                | 1.10 | 0.91 | 7.25 | 12.5 | 0.03 | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10 | 0.15    | 3,405 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |
| Unmit.              | 24.7 | 24.7 | 7.28 | 12.1 | 0.03 | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| Mit.                | 24.7 | 24.7 | 7.28 | 12.1 | 0.03 | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11 | < 0.005 | 3,354 |
| % Reduced           | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —       | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |      |      |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|------|------|-------|
| Average Daily (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.08 | 0.78 | 0.86 | 0.07 | 0.25 | 0.32 | — | 2,097 | 2,097 | 0.07 | 0.07 | 0.04 | 2,118 |
| Mit.                | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.08 | 0.78 | 0.86 | 0.07 | 0.25 | 0.32 | — | 2,097 | 2,097 | 0.07 | 0.07 | 0.04 | 2,118 |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Annual (Max)        | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |
| Unmit.              | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01 | 0.14 | 0.16 | 0.01 | 0.05 | 0.06 | — | 347   | 347   | 0.01 | 0.01 | 0.01 | 351   |
| Mit.                | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01 | 0.14 | 0.16 | 0.01 | 0.05 | 0.06 | — | 347   | 347   | 0.01 | 0.01 | 0.01 | 351   |
| % Reduced           | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —    | —    | —    | —     |

## 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) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2048                 | 1.10 | 0.91 | 7.25 | 12.5 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10    | 0.15    | 3,405 |
| 2049                 | 1.09 | 0.91 | 7.21 | 12.5 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,366 | 3,366 | 0.11 | 0.10    | 0.13    | 3,400 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2047                 | 0.85 | 0.71 | 3.56 | 9.39 | 0.03    | 0.13  | 0.72  | 0.85  | 0.12   | 0.09   | 0.21   | —    | 2,792 | 2,792 | 0.11 | 0.02    | < 0.005 | 2,801 |
| 2048                 | 1.10 | 0.91 | 7.28 | 12.1 | 0.03    | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11    | < 0.005 | 3,354 |
| 2049                 | 24.7 | 24.7 | 7.25 | 12.1 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,315 | 3,315 | 0.11 | 0.11    | < 0.005 | 3,349 |
| 2050                 | 24.7 | 24.7 | 4.39 | 8.32 | 0.01    | 0.06  | 0.20  | 0.26  | 0.06   | 0.05   | 0.10   | —    | 1,397 | 1,397 | 0.05 | 0.01    | < 0.005 | 1,401 |
| Average Daily        | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2047                 | 0.10 | 0.09 | 0.42 | 1.12 | < 0.005 | 0.02  | 0.09  | 0.10  | 0.01   | 0.01   | 0.03   | —    | 333   | 333   | 0.01 | < 0.005 | < 0.005 | 335   |

|        |      |      |      |      |         |         |         |      |         |         |         |   |       |       |         |         |         |       |
|--------|------|------|------|------|---------|---------|---------|------|---------|---------|---------|---|-------|-------|---------|---------|---------|-------|
| 2048   | 0.69 | 0.57 | 4.46 | 7.57 | 0.02    | 0.08    | 0.78    | 0.86 | 0.07    | 0.25    | 0.32    | — | 2,040 | 2,040 | 0.07    | 0.06    | 0.04    | 2,060 |
| 2049   | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.07    | 0.63    | 0.70 | 0.06    | 0.15    | 0.22    | — | 2,097 | 2,097 | 0.07    | 0.07    | 0.03    | 2,118 |
| 2050   | 0.22 | 0.21 | 0.53 | 1.01 | < 0.005 | 0.01    | 0.02    | 0.03 | 0.01    | 0.01    | 0.01    | — | 170   | 170   | 0.01    | < 0.005 | < 0.005 | 171   |
| Annual | —    | —    | —    | —    | —       | —       | —       | —    | —       | —       | —       | — | —     | —     | —       | —       | —       | —     |
| 2047   | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | < 0.005 | — | 55.2  | 55.2  | < 0.005 | < 0.005 | < 0.005 | 55.4  |
| 2048   | 0.13 | 0.10 | 0.81 | 1.38 | < 0.005 | 0.01    | 0.14    | 0.16 | 0.01    | 0.05    | 0.06    | — | 338   | 338   | 0.01    | 0.01    | 0.01    | 341   |
| 2049   | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01    | 0.12    | 0.13 | 0.01    | 0.03    | 0.04    | — | 347   | 347   | 0.01    | 0.01    | 0.01    | 351   |
| 2050   | 0.04 | 0.04 | 0.10 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.2  | 28.2  | < 0.005 | < 0.005 | < 0.005 | 28.3  |

## 2.3. Construction Emissions by Year, Mitigated

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

| Year                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R       | CO2e  |
|----------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|---------|-------|
| Daily - Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2048                 | 1.10 | 0.91 | 7.25 | 12.5 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,371 | 3,371 | 0.11 | 0.10    | 0.15    | 3,405 |
| 2049                 | 1.09 | 0.91 | 7.21 | 12.5 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,366 | 3,366 | 0.11 | 0.10    | 0.13    | 3,400 |
| Daily - Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2047                 | 0.85 | 0.71 | 3.56 | 9.39 | 0.03    | 0.13  | 0.72  | 0.85  | 0.12   | 0.09   | 0.21   | —    | 2,792 | 2,792 | 0.11 | 0.02    | < 0.005 | 2,801 |
| 2048                 | 1.10 | 0.91 | 7.28 | 12.1 | 0.03    | 0.16  | 2.89  | 3.05  | 0.15   | 1.37   | 1.52   | —    | 3,320 | 3,320 | 0.11 | 0.11    | < 0.005 | 3,354 |
| 2049                 | 24.7 | 24.7 | 7.25 | 12.1 | 0.03    | 0.11  | 1.01  | 1.12  | 0.10   | 0.25   | 0.35   | —    | 3,315 | 3,315 | 0.11 | 0.11    | < 0.005 | 3,349 |
| 2050                 | 24.7 | 24.7 | 4.39 | 8.32 | 0.01    | 0.06  | 0.20  | 0.26  | 0.06   | 0.05   | 0.10   | —    | 1,397 | 1,397 | 0.05 | 0.01    | < 0.005 | 1,401 |
| Average Daily        | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —       | —     |
| 2047                 | 0.10 | 0.09 | 0.42 | 1.12 | < 0.005 | 0.02  | 0.09  | 0.10  | 0.01   | 0.01   | 0.03   | —    | 333   | 333   | 0.01 | < 0.005 | < 0.005 | 335   |
| 2048                 | 0.69 | 0.57 | 4.46 | 7.57 | 0.02    | 0.08  | 0.78  | 0.86  | 0.07   | 0.25   | 0.32   | —    | 2,040 | 2,040 | 0.07 | 0.06    | 0.04    | 2,060 |
| 2049                 | 2.91 | 2.79 | 4.59 | 7.71 | 0.02    | 0.07  | 0.63  | 0.70  | 0.06   | 0.15   | 0.22   | —    | 2,097 | 2,097 | 0.07 | 0.07    | 0.03    | 2,118 |
| 2050                 | 0.22 | 0.21 | 0.53 | 1.01 | < 0.005 | 0.01  | 0.02  | 0.03  | 0.01   | 0.01   | 0.01   | —    | 170   | 170   | 0.01 | < 0.005 | < 0.005 | 171   |

|        |      |      |      |      |         |         |         |      |         |         |         |   |      |      |         |         |         |      |
|--------|------|------|------|------|---------|---------|---------|------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual | —    | —    | —    | —    | —       | —       | —       | —    | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| 2047   | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | < 0.005 | — | 55.2 | 55.2 | < 0.005 | < 0.005 | < 0.005 | 55.4 |
| 2048   | 0.13 | 0.10 | 0.81 | 1.38 | < 0.005 | 0.01    | 0.14    | 0.16 | 0.01    | 0.05    | 0.06    | — | 338  | 338  | 0.01    | 0.01    | 0.01    | 341  |
| 2049   | 0.53 | 0.51 | 0.84 | 1.41 | < 0.005 | 0.01    | 0.12    | 0.13 | 0.01    | 0.03    | 0.04    | — | 347  | 347  | 0.01    | 0.01    | 0.01    | 351  |
| 2050   | 0.04 | 0.04 | 0.10 | 0.18 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.2 | 28.2 | < 0.005 | < 0.005 | < 0.005 | 28.3 |

## 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.              | 10.8 | 10.2 | 6.51 | 56.8 | 0.17 | 0.11  | 16.6  | 16.7  | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3 | 0.69 | 2.14 | 16,369 |
| Mit.                | 10.5 | 9.89 | 6.51 | 56.8 | 0.17 | 0.11  | 16.6  | 16.7  | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3 | 0.69 | 2.14 | 16,369 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.93 | 8.51 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3 | 0.71 | 0.33 | 15,372 |
| Mit.                | 8.64 | 8.22 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3 | 0.71 | 0.33 | 15,372 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Average Daily (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Unmit.              | 8.91 | 8.50 | 3.68 | 38.4 | 0.11 | 0.06  | 13.0  | 13.1  | 0.05   | 3.30   | 3.36   | 189  | 11,867 | 12,056 | 19.3 | 0.58 | 0.93 | 12,712 |
| Mit.                | 8.62 | 8.21 | 3.68 | 38.4 | 0.11 | 0.06  | 13.0  | 13.1  | 0.05   | 3.30   | 3.36   | 189  | 11,867 | 12,056 | 19.3 | 0.58 | 0.93 | 12,712 |
| % Reduced           | 3%   | 3%   | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Annual (Max)        | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |



|           |      |      |      |      |      |      |      |      |      |      |      |      |       |       |      |      |      |       |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|-------|
| Unmit.    | 1.63 | 1.55 | 0.67 | 7.01 | 0.02 | 0.01 | 2.38 | 2.39 | 0.01 | 0.60 | 0.61 | 31.2 | 1,965 | 1,996 | 3.19 | 0.10 | 0.15 | 2,105 |
| Mit.      | 1.57 | 1.50 | 0.67 | 7.01 | 0.02 | 0.01 | 2.38 | 2.39 | 0.01 | 0.60 | 0.61 | 31.2 | 1,965 | 1,996 | 3.19 | 0.10 | 0.15 | 2,105 |
| % Reduced | 3%   | 3%   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —    | —    | —    | —     |

## 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              | 5.32 | 4.79 | 6.45 | 48.9 | 0.17    | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42    | 0.64    | 1.85 | 15,495 |
| Area                | 5.49 | 5.38 | 0.07 | 7.83 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 32.2   | 32.2   | < 0.005 | < 0.005 | —    | 32.3   |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 10.8 | 10.2 | 6.51 | 56.8 | 0.17    | 0.11  | 16.6  | 16.7  | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3    | 0.69    | 2.14 | 16,369 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.83 | 4.41 | 4.47 | 39.6 | 0.14    | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43    | 0.66    | 0.05 | 14,531 |
| Area                | 4.10 | 4.10 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 8.93 | 8.51 | 4.47 | 39.6 | 0.14    | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | 189  | 14,489 | 14,677 | 19.3    | 0.71    | 0.33 | 15,372 |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 3.86 | 3.52 | 3.63 | 33.1 | 0.11    | 0.05  | 13.0  | 13.1  | 0.05   | 3.30   | 3.35   | —    | 11,679 | 11,679 | 0.35    | 0.54    | 0.65 | 11,849 |
| Area                | 5.05 | 4.98 | 0.05 | 5.36 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 22.0   | 22.0   | < 0.005 | < 0.005 | —    | 22.1   |

|         |      |      |      |      |         |         |      |         |         |      |         |      |        |        |         |         |      |        |
|---------|------|------|------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Water   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total   | 8.91 | 8.50 | 3.68 | 38.4 | 0.11    | 0.06    | 13.0 | 13.1    | 0.05    | 3.30 | 3.36    | 189  | 11,867 | 12,056 | 19.3    | 0.58    | 0.93 | 12,712 |
| Annual  | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile  | 0.70 | 0.64 | 0.66 | 6.03 | 0.02    | 0.01    | 2.38 | 2.38    | 0.01    | 0.60 | 0.61    | —    | 1,934  | 1,934  | 0.06    | 0.09    | 0.11 | 1,962  |
| Area    | 0.92 | 0.91 | 0.01 | 0.98 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —    | 3.65   | 3.65   | < 0.005 | < 0.005 | —    | 3.66   |
| Water   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 3.08 | 27.5   | 30.6   | 0.32    | 0.01    | —    | 40.8   |
| Waste   | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 28.1 | 0.00   | 28.1   | 2.81    | 0.00    | —    | 98.4   |
| Refrig. | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.05 | 0.05   |
| Total   | 1.63 | 1.55 | 0.67 | 7.01 | 0.02    | 0.01    | 2.38 | 2.39    | 0.01    | 0.60 | 0.61    | 31.2 | 1,965  | 1,996  | 3.19    | 0.10    | 0.15 | 2,105  |

## 2.6. Operations Emissions by Sector, Mitigated

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              | 5.32 | 4.79 | 6.45 | 48.9 | 0.17    | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42    | 0.64    | 1.85 | 15,495 |
| Area                | 5.20 | 5.09 | 0.07 | 7.83 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 32.2   | 32.2   | < 0.005 | < 0.005 | —    | 32.3   |
| Water               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.             | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total               | 10.5 | 9.89 | 6.51 | 56.8 | 0.17    | 0.11  | 16.6  | 16.7  | 0.10   | 4.23   | 4.33   | 189  | 15,489 | 15,678 | 19.3    | 0.69    | 2.14 | 16,369 |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |
| Mobile              | 4.83 | 4.41 | 4.47 | 39.6 | 0.14    | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43    | 0.66    | 0.05 | 14,531 |
| Area                | 3.81 | 3.81 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —      | —      | —       | —       | —    | —      |

|               |      |      |      |      |         |         |      |         |         |      |         |      |        |        |         |         |      |        |
|---------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total         | 8.64 | 8.22 | 4.47 | 39.6 | 0.14    | 0.06    | 16.4 | 16.4    | 0.06    | 4.16 | 4.22    | 189  | 14,489 | 14,677 | 19.3    | 0.71    | 0.33 | 15,372 |
| Average Daily | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 3.86 | 3.52 | 3.63 | 33.1 | 0.11    | 0.05    | 13.0 | 13.1    | 0.05    | 3.30 | 3.35    | —    | 11,679 | 11,679 | 0.35    | 0.54    | 0.65 | 11,849 |
| Area          | 4.76 | 4.69 | 0.05 | 5.36 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | —    | 22.0   | 22.0   | < 0.005 | < 0.005 | —    | 22.1   |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 18.6 | 166    | 185    | 1.92    | 0.05    | —    | 247    |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 170  | 0.00   | 170    | 17.0    | 0.00    | —    | 595    |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.28 | 0.28   |
| Total         | 8.62 | 8.21 | 3.68 | 38.4 | 0.11    | 0.06    | 13.0 | 13.1    | 0.05    | 3.30 | 3.36    | 189  | 11,867 | 12,056 | 19.3    | 0.58    | 0.93 | 12,712 |
| Annual        | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | —    | —      |
| Mobile        | 0.70 | 0.64 | 0.66 | 6.03 | 0.02    | 0.01    | 2.38 | 2.38    | 0.01    | 0.60 | 0.61    | —    | 1,934  | 1,934  | 0.06    | 0.09    | 0.11 | 1,962  |
| Area          | 0.87 | 0.86 | 0.01 | 0.98 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | —    | 3.65   | 3.65   | < 0.005 | < 0.005 | —    | 3.66   |
| Water         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 3.08 | 27.5   | 30.6   | 0.32    | 0.01    | —    | 40.8   |
| Waste         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | 28.1 | 0.00   | 28.1   | 2.81    | 0.00    | —    | 98.4   |
| Refrig.       | —    | —    | —    | —    | —       | —       | —    | —       | —       | —    | —       | —    | —      | —      | —       | —       | 0.05 | 0.05   |
| Total         | 1.57 | 1.50 | 0.67 | 7.01 | 0.02    | 0.01    | 2.38 | 2.39    | 0.01    | 0.60 | 0.61    | 31.2 | 1,965  | 1,996  | 3.19    | 0.10    | 0.15 | 2,105  |

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2047) - Unmitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |         |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.84 | 0.71 | 3.55 | 9.22 | 0.03    | 0.13    | —    | 0.13    | 0.12    | —       | 0.12    | — | 2,715 | 2,715 | 0.11    | 0.02    | —    | 2,724 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.62 | 0.62    | —       | 0.07    | 0.07    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.42 | 1.10 | < 0.005 | 0.02    | —    | 0.02    | 0.01    | —       | 0.01    | — | 324   | 324   | 0.01    | < 0.005 | —    | 325   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.07 | 0.07    | —       | 0.01    | 0.01    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 53.7  | 53.7  | < 0.005 | < 0.005 | —    | 53.8  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.01 | 0.01    | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17    | 0.00 | 0.00 | 0.10    | 0.10    | 0.00 | 0.02    | 0.02    | — | 77.1 | 77.1 | < 0.005 | < 0.005 | < 0.005 | 77.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 9.33 | 9.33 | < 0.005 | < 0.005 | < 0.005 | 9.35 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.54 | 1.54 | < 0.005 | < 0.005 | < 0.005 | 1.55 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.2. Site Preparation (2047) - Mitigated

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

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

|                             |      |      |      |      |         |         |      |         |         |         |         |   |       |       |         |         |      |       |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment          | 0.84 | 0.71 | 3.55 | 9.22 | 0.03    | 0.13    | —    | 0.13    | 0.12    | —       | 0.12    | — | 2,715 | 2,715 | 0.11    | 0.02    | —    | 2,724 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.62 | 0.62    | —       | 0.07    | 0.07    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.10 | 0.08 | 0.42 | 1.10 | < 0.005 | 0.02    | —    | 0.02    | 0.01    | —       | 0.01    | — | 324   | 324   | 0.01    | < 0.005 | —    | 325   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.07 | 0.07    | —       | 0.01    | 0.01    | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual                      | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment          | 0.02 | 0.02 | 0.08 | 0.20 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —       | < 0.005 | — | 53.7  | 53.7  | < 0.005 | < 0.005 | —    | 53.8  |
| Dust From Material Movement | —    | —    | —    | —    | —       | —       | 0.01 | 0.01    | —       | < 0.005 | < 0.005 | — | —     | —     | —       | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite                     | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —       | —    | —       | —       | —       | —       | — | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.17    | 0.00 | 0.00 | 0.10    | 0.10    | 0.00 | 0.02    | 0.02    | — | 77.1 | 77.1 | < 0.005 | < 0.005 | < 0.005 | 77.3 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00 | 0.00 | 0.01    | 0.01    | 0.00 | < 0.005 | < 0.005 | — | 9.33 | 9.33 | < 0.005 | < 0.005 | < 0.005 | 9.35 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.54 | 1.54 | < 0.005 | < 0.005 | < 0.005 | 1.55 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.3. Site Preparation (2048) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|---|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | — | —     |
| Off-Road Equipment  | 0.82 | 0.69 | 3.39 | 9.07 | 0.03 | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,715 | 2,715 | 0.11 | 0.02 | — | 2,724 |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.62    | 0.62    | —       | 0.07    | 0.07    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.31 | 5.31 | < 0.005 | < 0.005 | —       | 5.33 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.88 | 0.88 | < 0.005 | < 0.005 | —       | 0.88 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.17    | 0.00    | 0.00    | 0.10    | 0.10    | 0.00    | 0.02    | 0.02    | — | 77.0 | 77.0 | < 0.005 | < 0.005 | < 0.005 | 77.1 |



|               |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | < 0.005 | 0.15 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual        | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.03 | 0.03 | < 0.005 | < 0.005 | < 0.005 | 0.03 |
| Vendor        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling       | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.4. Site Preparation (2048) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite                      | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment          | 0.82 | 0.69 | 3.39 | 9.07 | 0.03 | 0.12  | —     | 0.12  | 0.11   | —      | 0.11   | —    | 2,715 | 2,715 | 0.11 | 0.02 | —    | 2,724 |
| Dust From Material Movement | —    | —    | —    | —    | —    | —     | 0.62  | 0.62  | —      | 0.07   | 0.07   | —    | —     | —     | —    | —    | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 5.31 | 5.31 | < 0.005 | < 0.005 | —       | 5.33 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 0.88 | 0.88 | < 0.005 | < 0.005 | —       | 0.88 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.17    | 0.00    | 0.00    | 0.10    | 0.10    | 0.00    | 0.02    | 0.02    | — | 77.0 | 77.0 | < 0.005 | < 0.005 | < 0.005 | 77.1 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | < 0.005 | 0.15 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.03 | 0.03 | < 0.005 | < 0.005 | < 0.005 | 0.03 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.5. Fine Grading (2048) - Unmitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.97 | 0.81 | 4.99 | 9.93 | 0.02    | 0.16  | —     | 0.16  | 0.15   | —      | 0.15   | —    | 2,454 | 2,454 | 0.10 | 0.02    | —    | 2,463 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 2.76  | 2.76  | —      | 1.34   | 1.34   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.08 | 0.07 | 0.42 | 0.84 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 208   | 208   | 0.01 | < 0.005 | —    | 209   |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.23    | 0.23    | —       | 0.11    | 0.11    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02    | 0.01    | 0.08    | 0.15    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 34.5 | 34.5 | < 0.005 | < 0.005 | —       | 34.6 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.04    | 0.04    | —       | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.23    | 0.00    | 0.00    | 0.13    | 0.13    | 0.00    | 0.03    | 0.03    | — | 103  | 103  | < 0.005 | < 0.005 | < 0.005 | 103  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 8.84 | 8.84 | < 0.005 | < 0.005 | < 0.005 | 8.85 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.46 | 1.46 | < 0.005 | < 0.005 | < 0.005 | 1.47 |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Vendor  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 3.6. Fine Grading (2048) - Mitigated

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

| Location                    | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|-----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite                      | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Winter (Max)         | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.97 | 0.81 | 4.99 | 9.93 | 0.02    | 0.16  | —     | 0.16  | 0.15   | —      | 0.15   | —    | 2,454 | 2,454 | 0.10 | 0.02    | —    | 2,463 |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 2.76  | 2.76  | —      | 1.34   | 1.34   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily               | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment          | 0.08 | 0.07 | 0.42 | 0.84 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 208   | 208   | 0.01 | < 0.005 | —    | 209   |
| Dust From Material Movement | —    | —    | —    | —    | —       | —     | 0.23  | 0.23  | —      | 0.11   | 0.11   | —    | —     | —     | —    | —       | —    | —     |
| Onsite truck                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |

|                             |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment          | 0.02    | 0.01    | 0.08    | 0.15    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 34.5 | 34.5 | < 0.005 | < 0.005 | —       | 34.6 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.04    | 0.04    | —       | 0.02    | 0.02    | — | —    | —    | —       | —       | —       | —    |
| Onsite truck                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | 0.01    | 0.01    | 0.01    | 0.23    | 0.00    | 0.00    | 0.13    | 0.13    | 0.00    | 0.03    | 0.03    | — | 103  | 103  | < 0.005 | < 0.005 | < 0.005 | 103  |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 8.84 | 8.84 | < 0.005 | < 0.005 | < 0.005 | 8.85 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                      | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.46 | 1.46 | < 0.005 | < 0.005 | < 0.005 | 1.47 |
| Vendor                      | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                     | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.7. Building Construction (2048) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O     | R    | CO2e  |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02    | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02    | 0.11  | —     | 0.11  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.54 | 0.45 | 3.59 | 5.68 | 0.01    | 0.06  | —     | 0.06  | 0.05   | —      | 0.05   | —    | 1,189 | 1,189 | 0.05 | 0.01    | —    | 1,193 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —       | —    | —     |
| Off-Road Equipment  | 0.10 | 0.08 | 0.66 | 1.04 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 197   | 197   | 0.01 | < 0.005 | —    | 197   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00    | 0.00 | 0.00  |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.74 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 643  | 643  | < 0.005 | < 0.005 | 0.11    | 644  |
| Vendor              | 0.03    | 0.02    | 0.53 | 0.28 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 527  | 527  | 0.01    | 0.08    | 0.04    | 552  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 591  | 591  | < 0.005 | < 0.005 | < 0.005 | 592  |
| Vendor              | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 528  | 528  | 0.01    | 0.08    | < 0.005 | 553  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.04 | 0.74 | 0.00    | 0.00    | 0.40 | 0.40 | 0.00    | 0.09 | 0.09 | — | 324  | 324  | < 0.005 | < 0.005 | 0.03    | 324  |
| Vendor              | 0.02    | 0.01    | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.13 | 0.14 | < 0.005 | 0.04 | 0.04 | — | 285  | 285  | 0.01    | 0.05    | 0.01    | 298  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01 | 0.14 | 0.00    | 0.00    | 0.07 | 0.07 | 0.00    | 0.02 | 0.02 | — | 53.6 | 53.6 | < 0.005 | < 0.005 | < 0.005 | 53.7 |
| Vendor              | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 47.1 | 47.1 | < 0.005 | 0.01    | < 0.005 | 49.4 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.8. Building Construction (2048) - Mitigated

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

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



|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |      |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road            | 0.99 | 0.83 | 6.65 | 10.5 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09    | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.99 | 0.83 | 6.65 | 10.5 | 0.02    | 0.11 | —    | 0.11 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09    | 0.02    | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.54 | 0.45 | 3.59 | 5.68 | 0.01    | 0.06 | —    | 0.06 | 0.05 | —    | 0.05 | — | 1,189 | 1,189 | 0.05    | 0.01    | —    | 1,193 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.10 | 0.08 | 0.66 | 1.04 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 197   | 197   | 0.01    | < 0.005 | —    | 197   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —    | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.74 | 0.00    | 0.00 | 0.75 | 0.75 | 0.00 | 0.18 | 0.18 | — | 643   | 643   | < 0.005 | < 0.005 | 0.11 | 644   |
| Vendor              | 0.03 | 0.02 | 0.53 | 0.28 | 0.01    | 0.01 | 0.25 | 0.26 | 0.01 | 0.07 | 0.08 | — | 527   | 527   | 0.01    | 0.08    | 0.04 | 552   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 591  | 591  | < 0.005 | < 0.005 | < 0.005 | 592  |
| Vendor              | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 528  | 528  | 0.01    | 0.08    | < 0.005 | 553  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.04    | 0.04    | 0.04 | 0.74 | 0.00    | 0.00    | 0.40 | 0.40 | 0.00    | 0.09 | 0.09 | — | 324  | 324  | < 0.005 | < 0.005 | 0.03    | 324  |
| Vendor              | 0.02    | 0.01    | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.13 | 0.14 | < 0.005 | 0.04 | 0.04 | — | 285  | 285  | 0.01    | 0.05    | 0.01    | 298  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01 | 0.14 | 0.00    | 0.00    | 0.07 | 0.07 | 0.00    | 0.02 | 0.02 | — | 53.6 | 53.6 | < 0.005 | < 0.005 | < 0.005 | 53.7 |
| Vendor              | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 47.1 | 47.1 | < 0.005 | 0.01    | < 0.005 | 49.4 |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.9. Building Construction (2049) - Unmitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02 | 0.10  | —     | 0.10  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |      |      |      |      |         |      |      |      |      |      |      |   |       |       |         |         |         |       |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|---------|-------|
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02    | 0.10 | —    | 0.10 | 0.10 | —    | 0.10 | — | 2,201 | 2,201 | 0.09    | 0.02    | —       | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.62 | 0.51 | 4.13 | 6.55 | 0.01    | 0.07 | —    | 0.07 | 0.06 | —    | 0.06 | — | 1,374 | 1,374 | 0.06    | 0.01    | —       | 1,379 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.11 | 0.09 | 0.75 | 1.20 | < 0.005 | 0.01 | —    | 0.01 | 0.01 | —    | 0.01 | — | 227   | 227   | 0.01    | < 0.005 | —       | 228   |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Offsite             | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.74 | 0.00    | 0.00 | 0.75 | 0.75 | 0.00 | 0.18 | 0.18 | — | 642   | 642   | < 0.005 | < 0.005 | 0.09    | 643   |
| Vendor              | 0.03 | 0.02 | 0.53 | 0.28 | 0.01    | 0.01 | 0.25 | 0.26 | 0.01 | 0.07 | 0.08 | — | 523   | 523   | 0.01    | 0.08    | 0.03    | 548   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07 | 0.07 | 0.07 | 1.30 | 0.00    | 0.00 | 0.75 | 0.75 | 0.00 | 0.18 | 0.18 | — | 590   | 590   | < 0.005 | < 0.005 | < 0.005 | 591   |
| Vendor              | 0.03 | 0.02 | 0.56 | 0.29 | 0.01    | 0.01 | 0.25 | 0.26 | 0.01 | 0.07 | 0.08 | — | 524   | 524   | 0.01    | 0.08    | < 0.005 | 549   |
| Hauling             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —    | —    | —    | —    | —       | —    | —    | —    | —    | —    | —    | — | —     | —     | —       | —       | —       | —     |

|         |         |         |      |      |         |         |      |      |         |      |      |   |      |      |         |         |         |      |
|---------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|------|------|---------|---------|---------|------|
| Worker  | 0.05    | 0.04    | 0.04 | 0.86 | 0.00    | 0.00    | 0.46 | 0.46 | 0.00    | 0.11 | 0.11 | — | 373  | 373  | < 0.005 | < 0.005 | 0.02    | 374  |
| Vendor  | 0.02    | 0.01    | 0.35 | 0.18 | < 0.005 | < 0.005 | 0.16 | 0.16 | < 0.005 | 0.04 | 0.05 | — | 327  | 327  | 0.01    | 0.05    | 0.01    | 343  |
| Hauling | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —    | —    | —       | —       | —       | —    |
| Worker  | 0.01    | 0.01    | 0.01 | 0.16 | 0.00    | 0.00    | 0.08 | 0.08 | 0.00    | 0.02 | 0.02 | — | 61.8 | 61.8 | < 0.005 | < 0.005 | < 0.005 | 62.0 |
| Vendor  | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 54.1 | 54.1 | < 0.005 | 0.01    | < 0.005 | 56.7 |
| Hauling | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.10. Building Construction (2049) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T  | CH4  | N2O  | R    | CO2e  |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02 | 0.10  | —     | 0.10  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |
| Off-Road Equipment  | 0.99 | 0.82 | 6.62 | 10.5 | 0.02 | 0.10  | —     | 0.10  | 0.10   | —      | 0.10   | —    | 2,201 | 2,201 | 0.09 | 0.02 | —    | 2,209 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  |
| Average Daily       | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —     | —     | —    | —    | —    | —     |

|                     |         |         |      |      |         |         |      |      |         |      |      |   |       |       |         |         |         |       |
|---------------------|---------|---------|------|------|---------|---------|------|------|---------|------|------|---|-------|-------|---------|---------|---------|-------|
| Off-Road            | 0.62    | 0.51    | 4.13 | 6.55 | 0.01    | 0.07    | —    | 0.07 | 0.06    | —    | 0.06 | — | 1,374 | 1,374 | 0.06    | 0.01    | —       | 1,379 |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.11    | 0.09    | 0.75 | 1.20 | < 0.005 | 0.01    | —    | 0.01 | 0.01    | —    | 0.01 | — | 227   | 227   | 0.01    | < 0.005 | —       | 228   |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07    | 0.07    | 0.07 | 1.74 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 642   | 642   | < 0.005 | < 0.005 | 0.09    | 643   |
| Vendor              | 0.03    | 0.02    | 0.53 | 0.28 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 523   | 523   | 0.01    | 0.08    | 0.03    | 548   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.07    | 0.07    | 0.07 | 1.30 | 0.00    | 0.00    | 0.75 | 0.75 | 0.00    | 0.18 | 0.18 | — | 590   | 590   | < 0.005 | < 0.005 | < 0.005 | 591   |
| Vendor              | 0.03    | 0.02    | 0.56 | 0.29 | 0.01    | 0.01    | 0.25 | 0.26 | 0.01    | 0.07 | 0.08 | — | 524   | 524   | 0.01    | 0.08    | < 0.005 | 549   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.05    | 0.04    | 0.04 | 0.86 | 0.00    | 0.00    | 0.46 | 0.46 | 0.00    | 0.11 | 0.11 | — | 373   | 373   | < 0.005 | < 0.005 | 0.02    | 374   |
| Vendor              | 0.02    | 0.01    | 0.35 | 0.18 | < 0.005 | < 0.005 | 0.16 | 0.16 | < 0.005 | 0.04 | 0.05 | — | 327   | 327   | 0.01    | 0.05    | 0.01    | 343   |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —    | —       | —    | —    | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.01    | 0.01    | 0.01 | 0.16 | 0.00    | 0.00    | 0.08 | 0.08 | 0.00    | 0.02 | 0.02 | — | 61.8  | 61.8  | < 0.005 | < 0.005 | < 0.005 | 62.0  |
| Vendor              | < 0.005 | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 54.1  | 54.1  | < 0.005 | 0.01    | < 0.005 | 56.7  |

|         |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|

### 3.11. Paving+Landscaping (2050) - Unmitigated

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

| Location            | TOG     | ROG     | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T  | CH4     | N2O     | R    | CO2e  |
|---------------------|---------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.48    | 0.40    | 4.37 | 7.98 | 0.01    | 0.06    | —     | 0.06    | 0.06    | —      | 0.06    | —    | 1,243 | 1,243 | 0.05    | 0.01    | —    | 1,248 |
| Paving              | 0.13    | 0.13    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.06    | 0.05    | 0.53 | 0.96 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 150   | 150   | 0.01    | < 0.005 | —    | 150   |
| Paving              | 0.02    | 0.02    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00 | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.18 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 24.8  | 24.8  | < 0.005 | < 0.005 | —    | 24.9  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —     | —       | —       | —    | —     |

|                     |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.02    | 0.02    | 0.02    | 0.34 | 0.00 | 0.00 | 0.20    | 0.20    | 0.00 | 0.05    | 0.05    | — | 154  | 154  | < 0.005 | < 0.005 | < 0.005 | 154  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02    | 0.02    | 0.00 | 0.01    | 0.01    | — | 18.8 | 18.8 | < 0.005 | < 0.005 | < 0.005 | 18.8 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.11 | 3.11 | < 0.005 | < 0.005 | < 0.005 | 3.11 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.12. Paving+Landscaping (2050) - Mitigated

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

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

|                     |         |         |      |      |         |         |      |         |         |      |         |   |       |       |         |         |         |       |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|---------|-------|
| Off-Road Equipment  | 0.48    | 0.40    | 4.37 | 7.98 | 0.01    | 0.06    | —    | 0.06    | 0.06    | —    | 0.06    | — | 1,243 | 1,243 | 0.05    | 0.01    | —       | 1,248 |
| Paving              | 0.13    | 0.13    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.06    | 0.05    | 0.53 | 0.96 | < 0.005 | 0.01    | —    | 0.01    | 0.01    | —    | 0.01    | — | 150   | 150   | 0.01    | < 0.005 | —       | 150   |
| Paving              | 0.02    | 0.02    | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Annual              | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Off-Road Equipment  | 0.01    | 0.01    | 0.10 | 0.18 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 24.8  | 24.8  | < 0.005 | < 0.005 | —       | 24.9  |
| Paving              | < 0.005 | < 0.005 | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Onsite truck        | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Offsite             | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Daily, Summer (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Daily, Winter (Max) | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |
| Worker              | 0.02    | 0.02    | 0.02 | 0.34 | 0.00    | 0.00    | 0.20 | 0.20    | 0.00    | 0.05 | 0.05    | — | 154   | 154   | < 0.005 | < 0.005 | < 0.005 | 154   |
| Vendor              | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Hauling             | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00  | 0.00  | 0.00    | 0.00    | 0.00    | 0.00  |
| Average Daily       | —       | —       | —    | —    | —       | —       | —    | —       | —       | —    | —       | — | —     | —     | —       | —       | —       | —     |



|         |         |         |         |      |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.02    | 0.02    | 0.00 | 0.01    | 0.01    | — | 18.8 | 18.8 | < 0.005 | < 0.005 | < 0.005 | 18.8 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —    | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.11 | 3.11 | < 0.005 | < 0.005 | < 0.005 | 3.11 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.13. Architectural Coating (2049) - Unmitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6 | 24.6 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01 | 0.01 | 0.07 | 0.10 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 12.0  | 12.0 | < 0.005 | < 0.005 | —    | 12.1 |

|                          |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Architect Coatings       | 2.22    | 2.22    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                   | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipment       | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.99 | 1.99 | < 0.005 | < 0.005 | —       | 2.00 |
| Architect ural Coating s | 0.40    | 0.40    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                  | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                   | 0.01    | 0.01    | 0.01    | 0.26    | 0.00    | 0.00    | 0.15    | 0.15    | 0.00    | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                   | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | < 0.005 | 10.8 |
| Vendor                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                   | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                   | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.78 | 1.78 | < 0.005 | < 0.005 | < 0.005 | 1.79 |
| Vendor                   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 3.14. Architectural Coating (2049) - Mitigated

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

| Location               | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|------------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11 | 0.09 | 0.74 | 1.09 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6 | 24.6 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.01 | 0.01 | 0.07 | 0.10 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 12.0  | 12.0 | < 0.005 | < 0.005 | —    | 12.1 |
| Architectural Coatings | 2.22 | 2.22 | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |

|                        |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment     | < 0.005 | < 0.005 | 0.01    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 1.99 | 1.99 | < 0.005 | < 0.005 | —       | 2.00 |
| Architectural Coatings | 0.40    | 0.40    | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite                | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | 0.01    | 0.01    | 0.01    | 0.26    | 0.00    | 0.00    | 0.15    | 0.15    | 0.00    | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | 0.02    | 0.00    | 0.00    | 0.01    | 0.01    | 0.00    | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | < 0.005 | 10.8 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 1.78 | 1.78 | < 0.005 | < 0.005 | < 0.005 | 1.79 |
| Vendor                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.15. Architectural Coating (2050) - Unmitigated

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

| Location               | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|------------------------|---------|---------|---------|---------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite                 | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11    | 0.09    | 0.74    | 1.09    | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 134   | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6    | 24.6    | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | 0.01    | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 0.78  | 0.78 | < 0.005 | < 0.005 | —    | 0.79 |
| Architectural Coatings | 0.14    | 0.14    | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 0.13  | 0.13 | < 0.005 | < 0.005 | —    | 0.13 |

|                       |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|-----------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Architectural Coating | 0.03    | 0.03    | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Onsite truck          | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite               | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max)   | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max)   | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                | 0.01    | 0.01    | 0.01    | 0.26    | 0.00 | 0.00 | 0.15    | 0.15    | 0.00 | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling               | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily         | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.70 | 0.70 | < 0.005 | < 0.005 | < 0.005 | 0.70 |
| Vendor                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling               | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual                | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker                | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.12 | 0.12 | < 0.005 | < 0.005 | < 0.005 | 0.12 |
| Vendor                | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling               | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.16. Architectural Coating (2050) - Mitigated

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

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

|                        |         |         |         |         |         |         |      |         |         |      |         |   |      |      |         |         |      |      |
|------------------------|---------|---------|---------|---------|---------|---------|------|---------|---------|------|---------|---|------|------|---------|---------|------|------|
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | 0.11    | 0.09    | 0.74    | 1.09    | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 134  | 134  | 0.01    | < 0.005 | —    | 134  |
| Architectural Coatings | 24.6    | 24.6    | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | 0.01    | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 0.78 | 0.78 | < 0.005 | < 0.005 | —    | 0.79 |
| Architectural Coatings | 0.14    | 0.14    | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual                 | —       | —       | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Off-Road Equipment     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | —    | < 0.005 | < 0.005 | —    | < 0.005 | — | 0.13 | 0.13 | < 0.005 | < 0.005 | —    | 0.13 |
| Architectural Coatings | 0.03    | 0.03    | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |
| Onsite truck           | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Offsite                | —       | —       | —       | —       | —       | —       | —    | —       | —       | —    | —       | — | —    | —    | —       | —       | —    | —    |

|                     |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Summer (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | 0.01    | 0.01    | 0.01    | 0.26    | 0.00 | 0.00 | 0.15    | 0.15    | 0.00 | 0.04    | 0.04    | — | 118  | 118  | < 0.005 | < 0.005 | < 0.005 | 118  |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.70 | 0.70 | < 0.005 | < 0.005 | < 0.005 | 0.70 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.12 | 0.12 | < 0.005 | < 0.005 | < 0.005 | 0.12 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.17. Utilities Trenching and Installation (2048) - Unmitigated

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

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



|                     |         |         |         |      |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipm ent | 0.10    | 0.09    | 1.06    | 1.31 | < 0.005 | 0.01    | —       | 0.01    | 0.01    | —       | 0.01    | — | 207  | 207  | 0.01    | < 0.005 | —       | 208  |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipm ent | 0.01    | 0.01    | 0.09    | 0.12 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 18.2 | 18.2 | < 0.005 | < 0.005 | —       | 18.3 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Off-Road Equipm ent | < 0.005 | < 0.005 | 0.02    | 0.02 | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 3.01 | 3.01 | < 0.005 | < 0.005 | —       | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06 | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.7 | 25.7 | < 0.005 | < 0.005 | < 0.005 | 25.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.28 | 2.28 | < 0.005 | < 0.005 | < 0.005 | 2.28 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

|         |         |         |         |         |      |      |         |         |      |         |         |   |      |      |         |         |         |      |
|---------|---------|---------|---------|---------|------|------|---------|---------|------|---------|---------|---|------|------|---------|---------|---------|------|
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual  | —       | —       | —       | —       | —    | —    | —       | —       | —    | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.38 | 0.38 | < 0.005 | < 0.005 | < 0.005 | 0.38 |
| Vendor  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00 | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

### 3.18. Utilities Trenching and Installation (2048) - Mitigated

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

| Location            | TOG  | ROG  | NOx  | CO   | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R    | CO2e |
|---------------------|------|------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|------|---------|---------|------|------|
| Onsite              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Summer (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Daily, Winter (Max) | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.10 | 0.09 | 1.06 | 1.31 | < 0.005 | 0.01    | —     | 0.01    | 0.01    | —      | 0.01    | —    | 207   | 207  | 0.01    | < 0.005 | —    | 208  |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Average Daily       | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |
| Off-Road Equipment  | 0.01 | 0.01 | 0.09 | 0.12 | < 0.005 | < 0.005 | —     | < 0.005 | < 0.005 | —      | < 0.005 | —    | 18.2  | 18.2 | < 0.005 | < 0.005 | —    | 18.3 |
| Onsite truck        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00  | 0.00    | 0.00    | 0.00   | 0.00    | —    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00 | 0.00 |
| Annual              | —    | —    | —    | —    | —       | —       | —     | —       | —       | —      | —       | —    | —     | —    | —       | —       | —    | —    |

|                     |         |         |         |         |         |         |         |         |         |         |         |   |      |      |         |         |         |      |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Off-Road Equipment  | < 0.005 | < 0.005 | 0.02    | 0.02    | < 0.005 | < 0.005 | —       | < 0.005 | < 0.005 | —       | < 0.005 | — | 3.01 | 3.01 | < 0.005 | < 0.005 | —       | 3.02 |
| Onsite truck        | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Offsite             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.06    | 0.00    | 0.00    | 0.03    | 0.03    | 0.00    | 0.01    | 0.01    | — | 25.7 | 25.7 | < 0.005 | < 0.005 | < 0.005 | 25.7 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | 0.01    | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 2.28 | 2.28 | < 0.005 | < 0.005 | < 0.005 | 2.28 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —    | —    | —       | —       | —       | —    |
| Worker              | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00    | 0.00    | < 0.005 | < 0.005 | 0.00    | < 0.005 | < 0.005 | — | 0.38 | 0.38 | < 0.005 | < 0.005 | < 0.005 | 0.38 |
| Vendor              | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |
| Hauling             | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | — | 0.00 | 0.00 | 0.00    | 0.00    | 0.00    | 0.00 |

## 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) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06  | 16.4  | 16.4  | 0.06   | 4.16   | 4.22   | —    | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Annual              | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01  | 2.38  | 2.38  | 0.01   | 0.60   | 0.61   | —    | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |

#### 4.1.2. Mitigated

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

| Land Use            | TOG  | ROG  | NOx  | CO   | SO2  | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2  | CO2T   | CH4  | N2O  | R    | CO2e   |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | —    | —    | —    | —    | —    | —     | —     | —     | —      | —      | —      | —    | —      | —      | —    | —    | —    | —      |
| Hospital            | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | —    | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 5.32 | 4.79 | 6.45 | 48.9 | 0.17 | 0.09  | 16.6  | 16.7  | 0.09   | 4.23   | 4.32   | —    | 15,291 | 15,291 | 0.42 | 0.64 | 1.85 | 15,495 |

|                     |      |      |      |      |      |      |      |      |      |      |      |   |        |        |      |      |      |        |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| Daily, Winter (Max) | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital            | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06 | 16.4 | 16.4 | 0.06 | 4.16 | 4.22 | — | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 4.83 | 4.41 | 4.47 | 39.6 | 0.14 | 0.06 | 16.4 | 16.4 | 0.06 | 4.16 | 4.22 | — | 14,322 | 14,322 | 0.43 | 0.66 | 0.05 | 14,531 |
| Annual              | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | — | —      | —      | —    | —    | —    | —      |
| Hospital            | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01 | 2.38 | 2.38 | 0.01 | 0.60 | 0.61 | — | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |
| Parking Lot         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00   |
| Total               | 0.70 | 0.64 | 0.66 | 6.03 | 0.02 | 0.01 | 2.38 | 2.38 | 0.01 | 0.60 | 0.61 | — | 1,934  | 1,934  | 0.06 | 0.09 | 0.11 | 1,962  |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

#### 4.2.3. 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

| Source                 | TOG  | ROG  | NOx  | CO   | SO2     | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4     | N2O     | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Consumer Products      | 3.86 | 3.86 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |
| Landscape Equipment    | 1.39 | 1.29 | 0.07 | 7.83 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 32.2  | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Total                  | 5.49 | 5.38 | 0.07 | 7.83 | < 0.005 | 0.01  | —     | 0.01  | 0.01   | —      | 0.01   | —    | 32.2  | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —     | —     | —     | —      | —      | —      | —    | —     | —    | —       | —       | — | —    |

|                                   |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|-----------------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Consum<br>Products                | 3.86 | 3.86 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.24 | 0.24 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                             | 4.10 | 4.10 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                            | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consum<br>er<br>Product<br>s      | 0.70 | 0.70 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.04 | 0.04 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landsca<br>pe<br>Equipm<br>ent    | 0.17 | 0.16 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |
| Total                             | 0.92 | 0.91 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |

#### 4.3.2. Mitigated

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,<br>Summer<br>(Max)         | —    | —    | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Consum<br>er<br>Product<br>s      | 3.57 | 3.57 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Architect<br>ural<br>Coating<br>s | 0.24 | 0.24 | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |



|                        |      |      |      |      |         |         |   |         |         |   |         |   |      |      |         |         |   |      |
|------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|---|------|------|---------|---------|---|------|
| Landscape Equipment    | 1.39 | 1.29 | 0.07 | 7.83 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 32.2 | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Total                  | 5.20 | 5.09 | 0.07 | 7.83 | < 0.005 | 0.01    | — | 0.01    | 0.01    | — | 0.01    | — | 32.2 | 32.2 | < 0.005 | < 0.005 | — | 32.3 |
| Daily, Winter (Max)    | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 3.57 | 3.57 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.24 | 0.24 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Total                  | 3.81 | 3.81 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Annual                 | —    | —    | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Consumer Products      | 0.65 | 0.65 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Architectural Coatings | 0.04 | 0.04 | —    | —    | —       | —       | — | —       | —       | — | —       | — | —    | —    | —       | —       | — | —    |
| Landscape Equipment    | 0.17 | 0.16 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |
| Total                  | 0.87 | 0.86 | 0.01 | 0.98 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.65 | 3.65 | < 0.005 | < 0.005 | — | 3.66 |

#### 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 3.08 | 27.5  | 30.6 | 0.32 | 0.01 | — | 40.8 |

#### 4.4.2. Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 18.6 | 166   | 185  | 1.92 | 0.05 | — | 247  |

|                     |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | 18.6 | 166  | 185  | 1.92 | 0.05 | — | 247  |
| Parking Lot         | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | 18.6 | 166  | 185  | 1.92 | 0.05 | — | 247  |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital            | — | — | — | — | — | — | — | — | — | — | — | 3.08 | 27.5 | 30.6 | 0.32 | 0.01 | — | 40.8 |
| Parking Lot         | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | — | — | — | — | — | — | — | — | — | — | — | 3.08 | 27.5 | 30.6 | 0.32 | 0.01 | — | 40.8 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |

|             |   |   |   |   |   |   |   |   |   |   |   |      |      |      |      |      |   |      |
|-------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Total       | — | — | — | — | — | — | — | — | — | — | — | 170  | 0.00 | 170  | 17.0 | 0.00 | — | 595  |
| Annual      | — | — | — | — | — | — | — | — | — | — | — | —    | —    | —    | —    | —    | — | —    |
| Hospital    | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total       | — | — | — | — | — | — | — | — | — | — | — | 28.1 | 0.00 | 28.1 | 2.81 | 0.00 | — | 98.4 |

#### 4.5.2. Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4  | N2O  | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 170  | 0.00  | 170  | 17.0 | 0.00 | — | 595  |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —    | —    | — | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 28.1 | 0.00  | 28.1 | 2.81 | 0.00 | — | 98.4 |
| Parking Lot         | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 28.1 | 0.00  | 28.1 | 2.81 | 0.00 | — | 98.4 |

## 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) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Annual              | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.05 | 0.05 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.05 | 0.05 |

### 4.6.2. Mitigated

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

| Land Use            | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R    | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |
| Hospital            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Total               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.28 | 0.28 |
| Daily, Winter (Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —    | —    |

|          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |      |      |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Total    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.28 | 0.28 |
| Annual   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —    | —    |
| Hospital | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |
| Total    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.05 | 0.05 |

## 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.7.2. Mitigated

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,<br>Winter<br>(Max) | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Annual                    | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |
| Total                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.8.2. Mitigated

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, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual              | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

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

| Equipm 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               | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

### 4.9.2. Mitigated

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



| Equipm<br>ent             | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

#### 4.10. 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<br>on            | 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                     | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | — | —    |

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

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

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

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

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

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

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

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

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

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

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

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

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

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

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —                         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily,<br>Winter<br>(Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequest<br>ered           | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Remove<br>d               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| —                         | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual                    | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided                   | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequest<br>ered           | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal                  | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Remove<br>d               | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
|------------------|------------------|------------|----------|---------------|---------------------|-------------------|
| Site Preparation | Site Preparation | 11/1/2047  | 1/1/2048 | 5.00          | 44.0                | —                 |

|                                      |                       |            |            |      |      |   |
|--------------------------------------|-----------------------|------------|------------|------|------|---|
| Fine Grading                         | Grading               | 2/15/2048  | 3/30/2048  | 5.00 | 31.0 | — |
| Building Construction                | Building Construction | 3/31/2048  | 11/15/2049 | 5.00 | 425  | — |
| Paving+Landscaping                   | Paving                | 1/4/2050   | 3/4/2050   | 5.00 | 44.0 | — |
| Architectural Coating                | Architectural Coating | 11/16/2049 | 1/3/2050   | 5.00 | 35.0 | — |
| Utilities Trenching and Installation | Trenching             | 1/2/2048   | 2/14/2048  | 5.00 | 32.0 | — |

## 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 |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Site Preparation      | Scrapers                   | Diesel    | Average     | 1.00           | 8.00          | 423        | 0.48        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 7.00          | 84.0       | 0.37        |
| Fine Grading          | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Fine Grading          | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Fine Grading          | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 7.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 2.00           | 7.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 6.00          | 84.0       | 0.37        |
| Building Construction | Welders                    | Diesel    | Average     | 3.00           | 8.00          | 46.0       | 0.45        |
| Paving+Landscaping    | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Paving+Landscaping    | Pavers                     | Diesel    | Average     | 1.00           | 8.00          | 81.0       | 0.42        |
| Paving+Landscaping    | Paving Equipment           | Diesel    | Average     | 1.00           | 8.00          | 89.0       | 0.36        |
| Paving+Landscaping    | Rollers                    | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |

|                                      |                          |        |         |      |      |      |      |
|--------------------------------------|--------------------------|--------|---------|------|------|------|------|
| Paving+Landscaping                   | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Architectural Coating                | Air Compressors          | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Utilities Trenching and Installation | Trenchers                | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation      | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Site Preparation      | Scrapers                   | Diesel    | Average     | 1.00           | 8.00          | 423        | 0.48        |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 7.00          | 84.0       | 0.37        |
| Fine Grading          | Graders                    | Diesel    | Average     | 1.00           | 8.00          | 148        | 0.41        |
| Fine Grading          | Rubber Tired Dozers        | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.40        |
| Fine Grading          | Tractors/Loaders/Back hoes | Diesel    | Average     | 2.00           | 7.00          | 84.0       | 0.37        |
| Building Construction | Cranes                     | Diesel    | Average     | 1.00           | 8.00          | 367        | 0.29        |
| Building Construction | Forklifts                  | Diesel    | Average     | 2.00           | 7.00          | 82.0       | 0.20        |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.00           | 8.00          | 14.0       | 0.74        |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 6.00          | 84.0       | 0.37        |
| Building Construction | Welders                    | Diesel    | Average     | 3.00           | 8.00          | 46.0       | 0.45        |
| Paving+Landscaping    | Tractors/Loaders/Back hoes | Diesel    | Average     | 1.00           | 8.00          | 84.0       | 0.37        |
| Paving+Landscaping    | Pavers                     | Diesel    | Average     | 1.00           | 8.00          | 81.0       | 0.42        |
| Paving+Landscaping    | Paving Equipment           | Diesel    | Average     | 1.00           | 8.00          | 89.0       | 0.36        |
| Paving+Landscaping    | Rollers                    | Diesel    | Average     | 2.00           | 8.00          | 36.0       | 0.38        |
| Paving+Landscaping    | Cement and Mortar Mixers   | Diesel    | Average     | 1.00           | 8.00          | 10.0       | 0.56        |
| Architectural Coating | Air Compressors            | Diesel    | Average     | 1.00           | 6.00          | 37.0       | 0.48        |

|                                      |           |        |         |      |      |      |      |
|--------------------------------------|-----------|--------|---------|------|------|------|------|
| Utilities Trenching and Installation | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |
|--------------------------------------|-----------|--------|---------|------|------|------|------|

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name                           | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|--------------------------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation                     | —            | —                     | —              | —             |
| Site Preparation                     | Worker       | 7.50                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation                     | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation                     | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation                     | Onsite truck | —                     | —              | HHDT          |
| Building Construction                | —            | —                     | —              | —             |
| Building Construction                | Worker       | 57.6                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction                | Vendor       | 29.5                  | 10.2           | HHDT,MHDT     |
| Building Construction                | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction                | Onsite truck | —                     | —              | HHDT          |
| Paving+Landscaping                   | —            | —                     | —              | —             |
| Paving+Landscaping                   | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |
| Paving+Landscaping                   | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Paving+Landscaping                   | Hauling      | 0.00                  | 20.0           | HHDT          |
| Paving+Landscaping                   | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating                | —            | —                     | —              | —             |
| Architectural Coating                | Worker       | 11.5                  | 18.5           | LDA,LDT1,LDT2 |
| Architectural Coating                | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00                  | 20.0           | HHDT          |
| Architectural Coating                | Onsite truck | —                     | —              | HHDT          |
| Utilities Trenching and Installation | —            | —                     | —              | —             |
| Utilities Trenching and Installation | Worker       | 2.50                  | 18.5           | LDA,LDT1,LDT2 |



|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | Onsite truck | —    | —    | HHDT          |

### 5.3.2. Mitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation      | —            | —                     | —              | —             |
| Site Preparation      | Worker       | 7.50                  | 18.5           | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00                  | 20.0           | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Building Construction | —            | —                     | —              | —             |
| Building Construction | Worker       | 57.6                  | 18.5           | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 29.5                  | 10.2           | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00                  | 20.0           | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving+Landscaping    | —            | —                     | —              | —             |
| Paving+Landscaping    | Worker       | 15.0                  | 18.5           | LDA,LDT1,LDT2 |
| Paving+Landscaping    | Vendor       | —                     | 10.2           | HHDT,MHDT     |
| Paving+Landscaping    | Hauling      | 0.00                  | 20.0           | HHDT          |
| Paving+Landscaping    | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating | —            | —                     | —              | —             |
| Architectural Coating | Worker       | 11.5                  | 18.5           | LDA,LDT1,LDT2 |

|                                      |              |      |      |               |
|--------------------------------------|--------------|------|------|---------------|
| Architectural Coating                | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Architectural Coating                | Hauling      | 0.00 | 20.0 | HHDT          |
| Architectural Coating                | Onsite truck | —    | —    | HHDT          |
| Utilities Trenching and Installation | —            | —    | —    | —             |
| Utilities Trenching and Installation | Worker       | 2.50 | 18.5 | LDA,LDT1,LDT2 |
| Utilities Trenching and Installation | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Utilities Trenching and Installation | Hauling      | 0.00 | 20.0 | HHDT          |
| Utilities Trenching and Installation | Onsite truck | —    | —    | HHDT          |
| Fine Grading                         | —            | —    | —    | —             |
| Fine Grading                         | Worker       | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Fine Grading                         | Vendor       | —    | 10.2 | HHDT,MHDT     |
| Fine Grading                         | Hauling      | 0.00 | 20.0 | HHDT          |
| Fine Grading                         | 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 | 0.00                                     | 0.00                                     | 270,000                                      | 90,000                                       | 5,857                       |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name         | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|--------------------|------------------------|------------------------|----------------------|-------------------------------|---------------------|
| Site Preparation   | —                      | —                      | 66.0                 | 0.00                          | —                   |
| Fine Grading       | —                      | —                      | 31.0                 | 0.00                          | —                   |
| Paving+Landscaping | 0.00                   | 0.00                   | 0.00                 | 0.00                          | 2.24                |

### 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

| Land Use    | Area Paved (acres) | % Asphalt |
|-------------|--------------------|-----------|
| Hospital    | 0.00               | 0%        |
| Parking Lot | 2.24               | 100%      |

### 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4  | N2O     |
|------|--------------|-----|------|---------|
| 2047 | 0.00         | 532 | 0.03 | < 0.005 |
| 2048 | 0.00         | 532 | 0.03 | < 0.005 |
| 2049 | 0.00         | 532 | 0.03 | < 0.005 |
| 2050 | 0.00         | 532 | 0.03 | < 0.005 |

### 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  |
|---------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Hospital      | 2,411         | 834            | 731          | 710,067    | 23,100      | 7,990        | 7,006      | 6,804,348 |
| Parking Lot   | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMt/Weekday | VMt/Saturday | VMt/Sunday | VMt/Year  |
|---------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Hospital      | 2,411         | 834            | 731          | 710,067    | 23,100      | 7,990        | 7,006      | 6,804,348 |
| Parking Lot   | 0.00          | 0.00           | 0.00         | 0.00       | 0.00        | 0.00         | 0.00       | 0.00      |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 0                                        | 0.00                                     | 270,000                                      | 90,000                                       | 5,857                       |

### 5.10.3. Landscape Equipment

| Season      | Unit   | Value |
|-------------|--------|-------|
| Snow Days   | day/yr | 0.00  |
| Summer Days | day/yr | 250   |

### 5.10.4. Landscape Equipment - Mitigated

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

|             |        |      |
|-------------|--------|------|
| Snow Days   | day/yr | 0.00 |
| Summer Days | day/yr | 250  |

## 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

### 5.11.2. Mitigated

#### 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) |
|----------|----------------------|-----|-----|-----|-----------------------|
|----------|----------------------|-----|-----|-----|-----------------------|

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use    | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------|-------------------------|--------------------------|
| Hospital    | 9,699,874               | 9,041,286                |
| Parking Lot | 0.00                    | 0.00                     |

### 5.12.2. Mitigated

| Land Use    | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|-------------|-------------------------|--------------------------|
| Hospital    | 9,699,874               | 9,041,286                |
| Parking Lot | 0.00                    | 0.00                     |

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

| Land Use    | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------|------------------|-------------------------|
| Hospital    | 315              | —                       |
| Parking Lot | 0.00             | —                       |

## 5.13.2. Mitigated

| Land Use    | Waste (ton/year) | Cogeneration (kWh/year) |
|-------------|------------------|-------------------------|
| Hospital    | 315              | —                       |
| Parking Lot | 0.00             | —                       |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

| Land Use Type | Equipment Type                                | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---------------|-----------------------------------------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital      | Chillers                                      | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |
| Hospital      | Household refrigerators and/or freezers       | R-134a      | 1,430 | < 0.005       | 0.60                 | 0.00              | 1.00           |
| Hospital      | Stand-alone retail refrigerators and freezers | R-134a      | 1,430 | < 0.005       | 1.00                 | 0.00              | 1.00           |
| Hospital      | Walk-in refrigerators and freezers            | R-404A      | 3,922 | < 0.005       | 7.50                 | 7.50              | 20.0           |

## 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP   | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---------------|----------------|-------------|-------|---------------|----------------------|-------------------|----------------|
| Hospital      | Chillers       | R-134a      | 1,430 | < 0.005       | 2.00                 | 2.00              | 23.0           |

|          |                                               |        |       |         |      |      |      |
|----------|-----------------------------------------------|--------|-------|---------|------|------|------|
| Hospital | Household refrigerators and/or freezers       | R-134a | 1,430 | < 0.005 | 0.60 | 0.00 | 1.00 |
| Hospital | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | < 0.005 | 1.00 | 0.00 | 1.00 |
| Hospital | Walk-in refrigerators and freezers            | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|----------------|-----------|-------------|----------------|---------------|------------|-------------|
|----------------|-----------|-------------|----------------|---------------|------------|-------------|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|
|----------------|-----------|--------|--------------------------|------------------------------|------------------------------|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|----------------|-----------|
|----------------|-----------|

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

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

#### 5.18.1.2. Mitigated

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

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

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

#### 5.18.2.2. Mitigated

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



## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 26.6                        | annual days of extreme heat                |
| Extreme Precipitation        | 4.20                        | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 6.46                        | 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 | 3              | 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 | 3              | 1                 | 1                       | 3                   |
| 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            | 100                             |

|                                 |      |
|---------------------------------|------|
| AQ-PM                           | 57.4 |
| AQ-DPM                          | 82.8 |
| Drinking Water                  | 96.3 |
| Lead Risk Housing               | 29.2 |
| Pesticides                      | 74.7 |
| Toxic Releases                  | 44.2 |
| Traffic                         | 81.0 |
| Effect Indicators               | —    |
| CleanUp Sites                   | 81.9 |
| Groundwater                     | 47.6 |
| Haz Waste Facilities/Generators | 96.8 |
| Impaired Water Bodies           | 12.5 |
| Solid Waste                     | 0.00 |
| Sensitive Population            | —    |
| Asthma                          | 34.7 |
| Cardio-vascular                 | 45.1 |
| Low Birth Weights               | 75.6 |
| Socioeconomic Factor Indicators | —    |
| Education                       | 39.2 |
| Housing                         | 89.1 |
| Linguistic                      | 17.3 |
| Poverty                         | 55.9 |
| Unemployment                    | 14.4 |

## 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                                | 37.76466059 |
| Employed                                     | 27.51186963 |
| Median HI                                    | 26.53663544 |
| Education                                    | —           |
| Bachelor's or higher                         | 60.5800077  |
| High school enrollment                       | 100         |
| Preschool enrollment                         | 11.52316181 |
| Transportation                               | —           |
| Auto Access                                  | 62.47914795 |
| Active commuting                             | 28.56409598 |
| Social                                       | —           |
| 2-parent households                          | 37.02040293 |
| Voting                                       | 39.83061722 |
| Neighborhood                                 | —           |
| Alcohol availability                         | 30.07827538 |
| Park access                                  | 50.53252919 |
| Retail density                               | 65.94379571 |
| Supermarket access                           | 72.28281791 |
| Tree canopy                                  | 43.62889773 |
| Housing                                      | —           |
| Homeownership                                | 9.303220839 |
| Housing habitability                         | 37.12305916 |
| Low-inc homeowner severe housing cost burden | 73.38637239 |
| Low-inc renter severe housing cost burden    | 66.31592455 |
| Uncrowded housing                            | 31.19466188 |
| Health Outcomes                              | —           |
| Insured adults                               | 48.58206082 |
| Arthritis                                    | 92.2        |

|                                       |      |
|---------------------------------------|------|
| Asthma ER Admissions                  | 65.8 |
| High Blood Pressure                   | 95.2 |
| Cancer (excluding skin)               | 82.6 |
| Asthma                                | 30.0 |
| Coronary Heart Disease                | 94.7 |
| Chronic Obstructive Pulmonary Disease | 71.2 |
| Diagnosed Diabetes                    | 92.6 |
| Life Expectancy at Birth              | 79.7 |
| Cognitively Disabled                  | 52.2 |
| Physically Disabled                   | 60.6 |
| Heart Attack ER Admissions            | 32.7 |
| Mental Health Not Good                | 41.5 |
| Chronic Kidney Disease                | 95.6 |
| Obesity                               | 56.2 |
| Pedestrian Injuries                   | 53.3 |
| Physical Health Not Good              | 67.2 |
| Stroke                                | 91.3 |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 13.6 |
| Current Smoker                        | 36.3 |
| No Leisure Time for Physical Activity | 67.1 |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 7.3  |
| Elderly                               | 81.9 |
| English Speaking                      | 84.0 |
| Foreign-born                          | 37.0 |

|                                  |      |
|----------------------------------|------|
| Outdoor Workers                  | 85.1 |
| Climate Change Adaptive Capacity | —    |
| Impervious Surface Cover         | 69.4 |
| Traffic Density                  | 74.6 |
| Traffic Access                   | 23.0 |
| Other Indices                    | —    |
| Hardship                         | 54.2 |
| Other Decision Support           | —    |
| 2016 Voting                      | 58.0 |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 72.0                            |
| Healthy Places Index Score for Project Location (b)                                 | 32.0                            |
| 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

| Screen                               | Justification    |
|--------------------------------------|------------------|
| Land Use                             | client provided  |
| Construction: Construction Phases    | Client provided. |
| Construction: Off-Road Equipment     | Default          |
| Construction: Architectural Coatings | SCAQMD 1113      |
| Operations: Vehicle Data             | Traffic Study    |
| Operations: Architectural Coatings   | SCAQMD 1113      |
| Operations: Energy Use               | Utility on site. |