# Appendix FEIR-3

CalEEMod 2022.1 Output Files

**AQ SUMMARY OF EMISSIONS WINTER**

**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 13 | 15 | <1 | 2 | <1 |
| 2022 | 3 | 33 | 33 | <1 | 5 | 2 |
| 2023 | 4 | 22 | 54 | <1 | 7 | 2 |
| 2024 | 42 | 21 | 51 | <1 | 7 | 2 |
| 2025 | 44 | 28 | 62 | <1 | 9 | 3 |
| MAX | 44 | 33 | 62 | <1 | 9 | 3 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(32)** | **(67)** | **(488)** | **(150)** | **(141)** | **(52)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 10 | 12 | <1 | <1 | <1 |
| 2022 | 2 | 17 | 17 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 39 | 17 | 19 | <1 | <1 | <1 |
| 2025 | 39 | 23 | 29 | <1 | <1 | <1 |
| MAX | | 23 | 29 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(28)** | **(934)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 8 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | 1 | 8 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 11 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 16 | 11 | 107 | <1 | 9 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 28 | 15 | 110 | <1 | 9 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 10 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 15 | 10 | 99 | <1 | 8 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 26 | 14 | 102 | <1 | 8 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(29)** | **(41)** | **(448)** | **(150)** | **(142)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 4 | 3 | | 0 | 0.2 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(47)** | **(960)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS SUMMER**

**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 3 | 35 | 35 | <1 | 5 | 2 |
| 2023 | 5 | 22 | 60 | <1 | 7 | 2 |
| 2024 | 4 | 21 | 57 | <1 | 7 | 2 |
| 2025 | | | | | | |
| MAX | 5 | 35 | 60 | <1 | 7 | 2 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(70)** | **(65)** | **(490)** | **(150)** | **(143)** | **(53)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 2 | 17 | 17 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2025 | | | | | | |
| MAX | | 18 | 19 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(33)** | **(944)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | 1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 9 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | <1 | 10 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 16 | <1 | 40 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 16 | 10 | 114 | <1 | 9 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 33 | 15 | 157 | <1 | 9 | 2 |

Project Regional (Buildout Less Baseline (Buildout Year))

| | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 15 | <1 | 39 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 15 | 9 | 105 | <1 | 8 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 31 | 14 | 147 | <1 | 8 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(24)** | **(41)** | **(403)** | **(150)** | **(142)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 4 | 42 | | 0 | 0.3 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(46)** | **(921)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS WINTER**

**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 13 | 15 | <1 | 2 | <1 |
| 2022 | 3 | 33 | 33 | <1 | 5 | 2 |
| 2023 | 4 | 22 | 54 | <1 | 7 | 2 |
| 2024 | 40 | 21 | 51 | <1 | 7 | 2 |
| 2025 | 41 | 28 | 62 | <1 | 9 | 3 |
| MAX | 41 | 33 | 62 | <1 | 9 | 3 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(34)** | **(67)** | **(488)** | **(150)** | **(141)** | **(52)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 10 | 12 | <1 | <1 | <1 |
| 2022 | 2 | 17 | 17 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 38 | 17 | 19 | <1 | <1 | <1 |
| 2025 | 39 | 23 | 29 | <1 | <1 | <1 |
| MAX | | 23 | 29 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(28)** | **(934)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 8 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | 1 | 8 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 11 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 17 | 12 | 118 | <1 | 10 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 29 | 17 | 121 | <1 | 10 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 10 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 16 | 12 | 110 | <1 | 9 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 27 | 16 | 113 | <1 | 9 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(28)** | **(39)** | **(437)** | **(150)** | **(141)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 4 | 3 | | 0 | 0.3 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(47)** | **(959)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS SUMMER**
**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 3 | 35 | 35 | <1 | 5 | 2 |
| 2023 | 5 | 22 | 60 | <1 | 7 | 2 |
| 2024 | 4 | 21 | 57 | <1 | 7 | 2 |
| 2025 | | | | | | |
| MAX | 5 | 35 | 60 | <1 | 7 | 2 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(70)** | **(65)** | **(490)** | **(150)** | **(143)** | **(53)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 2 | 17 | 17 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2025 | | | | | | |
| MAX | | 18 | 19 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(33)** | **(944)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | 1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 9 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | <1 | 10 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 16 | <1 | 40 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 17 | 11 | 125 | <1 | 10 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 34 | 16 | 168 | <1 | 10 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 15 | <1 | 39 | <1 | <1 | <1 |
| Energy | <1 | 1 | <1 | <1 | <1 | <1 |
| Mobile | 16 | 10 | 116 | <1 | 9 | 2 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 32 | 15 | 158 | <1 | 9 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(23)** | **(40)** | **(392)** | **(150)** | **(141)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 4 | 42 | | 0 | 0.3 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(46)** | **(921)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS WINTER**

**Construction Emissions**

| Regional (Daily) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 12 | 15 | <1 | 1 | <1 |
| 2022 | 3 | 40 | 33 | <1 | 5 | 2 |
| 2023 | 4 | 22 | 54 | <1 | 7 | 2 |
| 2024 | 32 | 21 | 51 | <1 | 7 | 2 |
| 2025 | 32 | 28 | 62 | <1 | 9 | 3 |
| MAX | 32 | 40 | 62 | <1 | 9 | 3 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(43)** | **(60)** | **(488)** | **(150)** | **(141)** | **(52)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 10 | 12 | <1 | <1 | <1 |
| 2022 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 30 | 17 | 19 | <1 | <1 | <1 |
| 2025 | 30 | 23 | 29 | <1 | <1 | <1 |
| MAX | | 23 | 29 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(28)** | **(934)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 8 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | 1 | 8 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 12 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 10 | 8 | 72 | <1 | 6 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 23 | 13 | 76 | <1 | 6 | 2 |

Project Regional (Buildout Less Baseline (Buildout Year))

| | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 11 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 9 | 7 | 64 | <1 | 5 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 21 | 12 | 68 | <1 | 6 | 1 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(34)** | **(43)** | **(482)** | **(150)** | **(144)** | **(54)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 6 | 5 | | 0 | 0.4 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(45)** | **(958)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

1360 Vine (Office Option with Bungalows)
Air Quality Emissions Summary Summer

**AQ SUMMARY OF EMISSIONS SUMMER**
**Construction Emissions**

| Regional (Daily) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 3 | 39 | 35 | <1 | 5 | 2 |
| 2023 | 5 | 22 | 60 | <1 | 7 | 2 |
| 2024 | 32 | 21 | 57 | <1 | 7 | 2 |
| 2025 | | | | | | |
| MAX | 32 | 39 | 60 | <1 | 7 | 2 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(43)** | **(61)** | **(490)** | **(150)** | **(143)** | **(53)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 30 | 17 | 19 | <1 | <1 | <1 |
| 2025 | | | | | | |
| MAX | | 18 | 19 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(33)** | **(943)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | 1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 9 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | <1 | 10 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 20 | <1 | 51 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 10 | 7 | 77 | <1 | 6 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 31 | 13 | 133 | <1 | 7 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 19 | <1 | 50 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 9 | 6 | 68 | <1 | 5 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 29 | 12 | 123 | <1 | 6 | 1 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(26)** | **(43)** | **(427)** | **(150)** | **(144)** | **(54)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 6 | 54 | | 0 | 0.4 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(45)** | **(908)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS WINTER**

**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 12 | 15 | <1 | 1 | <1 |
| 2022 | 3 | 40 | 33 | <1 | 5 | 2 |
| 2023 | 4 | 22 | 54 | <1 | 7 | 2 |
| 2024 | 31 | 21 | 51 | <1 | 7 | 2 |
| 2025 | 32 | 28 | 62 | <1 | 9 | 3 |
| MAX | 32 | 40 | 62 | <1 | 9 | 3 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(43)** | **(60)** | **(488)** | **(150)** | **(141)** | **(52)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | 1 | 10 | 12 | <1 | <1 | <1 |
| 2022 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 29 | 17 | 19 | <1 | <1 | <1 |
| 2025 | 30 | 23 | 29 | <1 | <1 | <1 |
| MAX | | 23 | 29 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(28)** | **(934)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 8 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | 1 | 8 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 12 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 3 | 3 | <1 | <1 | <1 |
| Mobile | 12 | 9 | 84 | <1 | 7 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 24 | 15 | 89 | <1 | 8 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 11 | <1 | <1 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 10 | 8 | 76 | <1 | 7 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 22 | 14 | 81 | <1 | 7 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(33)** | **(41)** | **(469)** | **(150)** | **(143)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 6 | 5 | | 0.4 | 0.4 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(45)** | **(958)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**AQ SUMMARY OF EMISSIONS SUMMER**
**Construction Emissions**

| Regional (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 3 | 39 | 35 | <1 | 5 | 2 |
| 2023 | 5 | 22 | 60 | <1 | 7 | 2 |
| 2024 | 31 | 21 | 57 | <1 | 7 | 2 |
| 2025 | | | | | | |
| MAX | 31 | 39 | 60 | <1 | 7 | 2 |
| **Threshold** | **75** | **100** | **550** | **150** | **150** | **55** |
| **Difference** | **(44)** | **(61)** | **(490)** | **(150)** | **(143)** | **(53)** |
| **Impact** | **No** | **No** | **No** | **No** | **No** | **No** |

| Localized (Daily) w/PDFs | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| 2021 | | | | | | |
| 2022 | 2 | 17 | 19 | <1 | <1 | <1 |
| 2023 | 2 | 18 | 19 | <1 | <1 | <1 |
| 2024 | 29 | 17 | 19 | <1 | <1 | <1 |
| 2025 | | | | | | |
| MAX | | 18 | 19 | | <1 | <1 |
| **Threshold** | | 51 | 963 | | 7 | 4 |
| **Difference** | | **(33)** | **(943)** | | **(7)** | **(4)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

**Operation Emissions**

| Regional Baseline (Buidout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | <1 | <1 | 1 | <1 | <1 | <1 |
| Energy | <1 | <1 | <1 | <1 | <1 | <1 |
| Mobile | 1 | <1 | 9 | <1 | <1 | <1 |
| Emergency Generator | <1 | <1 | <1 | <1 | <1 | <1 |
| Total | 2 | <1 | 10 | <1 | <1 | <1 |

| Regional Buildout (Buildout Year) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 20 | <1 | 51 | <1 | <1 | <1 |
| Energy | <1 | 3 | 3 | <1 | <1 | <1 |
| Mobile | 12 | 8 | 91 | <1 | 7 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 33 | 14 | 146 | <1 | 8 | 2 |

| Project Regional (Buildout Less Baseline (Buildout Year)) | ROG | $NO_x$ | CO | SO2 | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Area | 19 | <1 | 49 | <1 | <1 | <1 |
| Energy | <1 | 3 | 2 | <1 | <1 | <1 |
| Mobile | 11 | 7 | 82 | <1 | 7 | 1 |
| Emergency Generator | <1 | 3 | 3 | <1 | <1 | <1 |
| Total | 31 | 13 | 136 | <1 | 7 | 2 |
| **Threshold** | **55** | **55** | **550** | **150** | **150** | **55** |
| **Difference** | **(24)** | **(42)** | **(414)** | **(150)** | **(143)** | **(53)** |
| **Impact** | No | No | No | No | No | No |

| Project Localized (Buildout Less Baseline (Buildout Year)) | | | | | | |
|---|---|---|---|---|---|---|
| Onsite Total | | 6 | 54 | | 0.4 | 0.4 |
| **Threshold** | | **51** | **963** | | **2** | **2** |
| **Difference** | | **(45)** | **(909)** | | **(2)** | **(1)** |
| **Impact** | | **No** | **No** | | **No** | **No** |

# 1360 Vine - Existing Buildout Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

5.9. 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 | 1360 Vine - Existing Buildout |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | Air Basin |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Office Building | 21.6 | 1000sqft | 0.50 | 21,600 | 4,500 | — | — | — |
| Strip Mall | 8.00 | 1000sqft | 0.18 | 8,000 | 0.00 | — | — | — |
| Parking Lot | 0.39 | Acre | 0.39 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

# 2. Emissions Summary

### 2.4. Operations Emissions Compared Against Thresholds

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

| Un/Mit. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.11 | 0.95 | 10.1 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 3,059 |
| Mit. | 2.11 | 0.95 | 10.1 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 3,018 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 1% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.87 | 1.01 | 8.10 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,959 |
| Mit. | 1.87 | 1.01 | 8.10 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,917 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 1% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.00 | 1.03 | 9.17 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,986 |
| Mit. | 2.00 | 1.03 | 9.17 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,945 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 1% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.37 | 0.19 | 1.67 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.03 | 494 |
| Mit. | 0.37 | 0.19 | 1.67 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.03 | 488 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | — | — | — | — | — | — | — | — | — | — | 1% |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.18 | 0.81 | 8.67 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 2,020 |
| Area | 0.92 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 53.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 2.11 | 0.95 | 10.1 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 3,059 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.15 | 0.88 | 7.99 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 1,926 |
| Area | 0.71 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 53.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 1.87 | 1.01 | 8.10 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,959 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.14 | 0.89 | 8.18 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 1,950 |
| Area | 0.86 | 0.01 | 0.88 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.73 |
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | 53.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 2.00 | 1.03 | 9.17 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,986 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.21 | 0.16 | 1.49 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.02 | 323 |
| Area | 0.16 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |
| Energy | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 148 |
| Water | — | — | — | — | — | — | — | — | — | — | 13.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | 8.89 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.02 |
| Total | 0.37 | 0.19 | 1.67 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.03 | 494 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.18 | 0.81 | 8.67 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 2,020 |
| Area | 0.92 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 12.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 2.11 | 0.95 | 10.1 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 3,018 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.15 | 0.88 | 7.99 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 1,926 |
| Area | 0.71 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 12.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 1.87 | 1.01 | 8.10 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,917 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.14 | 0.89 | 8.18 | 0.02 | 0.01 | 0.68 | 0.69 | 0.01 | 0.12 | 0.13 | 1,950 |
| Area | 0.86 | 0.01 | 0.88 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.73 |
| Energy | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 896 |
| Water | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 12.7 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Total | 2.00 | 1.03 | 9.17 | 0.02 | 0.02 | 0.68 | 0.70 | 0.02 | 0.12 | 0.14 | 2,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.21 | 0.16 | 1.49 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.02 | 323 |
| Area | 0.16 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |
| Energy | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 148 |
| Water | — | — | — | — | — | — | — | — | — | — | 13.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | 2.10 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 0.02 |
| Total | 0.37 | 0.19 | 1.67 | < 0.005 | < 0.005 | 0.12 | 0.13 | < 0.005 | 0.02 | 0.03 | 488 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

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

### 4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

## 4.2. Energy

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

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 584 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 135 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 25.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 744 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 584 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 135 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 25.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 744 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 96.6 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 22.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 4.18 |
| Total | — | — | — | — | — | — | — | — | — | — | 123 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 584 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 135 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 25.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 744 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 584 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 135 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 25.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 744 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 96.6 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 22.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 4.18 |
| Total | — | — | — | — | — | — | — | — | — | — | 123 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 139 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 12.7 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 152 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 139 |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 12.7 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 152 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 23.1 |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 2.10 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 25.2 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 139 |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 12.7 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 152 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | 0.01 | 0.12 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 139 |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 12.7 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.13 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 152 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 23.1 |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 2.10 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 25.2 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.63 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.08 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.21 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Total | 0.92 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.63 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.08 | — | — | — | — | — | — | — | — | — | — |
| Total | 0.71 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.12 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.01 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.03 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |
| Total | 0.16 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |

### 4.3.1. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.63 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.08 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.21 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Total | 0.92 | 0.01 | 1.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 5.45 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.63 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.08 | — | — | — | — | — | — | — | — | — | — |
| Total | 0.71 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 0.12 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.01 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.03 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |
| Total | 0.16 | < 0.005 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.62 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 71.8 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 11.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 71.8 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 11.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | — | — | — | — | — | — | — | — | — | — | 11.9 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.82 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 13.7 |

### 4.4.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 71.8 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 11.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 71.8 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 11.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 82.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 11.9 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.82 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 13.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 37.9 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 15.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 53.7 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 37.9 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 15.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 53.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 6.27 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 2.62 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 8.89 |

### 4.5.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 8.94 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 3.74 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 12.7 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 8.94 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 3.74 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 12.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.48 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.62 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 2.10 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.05 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.02 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.05 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.10 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | 0.02 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

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

# 5. Activity Data

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 352 | 352 | 352 | 128,480 | 2,443 | 2,443 | 2,443 | 891,695 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 352 | 352 | 352 | 128,480 | 2,443 | 2,443 | 2,443 | 891,695 |

## 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 | 44,400 | 14,800 | 1,019 |

### 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) |
|---|---|---|---|---|---|
| General Office Building | 344,061 | 616 | 0.0489 | 0.0069 | 433,984 |
| Strip Mall | 79,652 | 616 | 0.0489 | 0.0069 | 39,393 |
| Parking Lot | 14,882 | 616 | 0.0489 | 0.0069 | 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) |
|---|---|---|---|---|---|
| General Office Building | 344,061 | 616 | 0.0489 | 0.0069 | 433,984 |
| Strip Mall | 79,652 | 616 | 0.0489 | 0.0069 | 39,393 |
| Parking Lot | 14,882 | 616 | 0.0489 | 0.0069 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

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

| | | |
|---|---|---|
| General Office Building | 3,839,049 | 64,595 |
| Strip Mall | 592,580 | 0.00 |
| Parking Lot | 0.00 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Office Building | 3,839,049 | 64,595 |
| Strip Mall | 592,580 | 0.00 |
| Parking Lot | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 20.1 | 0.00 |
| Strip Mall | 8.40 | 0.00 |
| Parking Lot | 0.00 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 4.74 | 0.00 |
| Strip Mall | 1.98 | 0.00 |
| Parking Lot | 0.00 | 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 |
|---|---|---|---|---|---|---|---|
| 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 |
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Strip Mall | 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 |
|---|---|---|---|---|---|---|---|
| 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 |
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Strip Mall | 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |

| | |
|---|---|
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |

| | |
|---|---|
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |

| | |
|---|---|
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |

| | |
|---|---|
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Project Details | South Coast Air Basin |
| Characteristics: Utility Information | Carbon Intensity for 2025 |

# 1360 Vine - Residential Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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 | 1360 Vine - Residential |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Strip Mall | 5.00 | 1000sqft | 0.00 | 5,000 | 0.00 | 0.00 | — | — |
| Supermarket | 55.0 | 1000sqft | 0.00 | 55,000 | 0.00 | 0.00 | — | — |
| Apartments High Rise | 417 | Dwelling Unit | 1.80 | 400,320 | 13,350 | 0.00 | 939 | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 12.0 | Dwelling Unit | 0.00 | 23,400 | 0.00 | 0.00 | 38.0 | — |
| Enclosed Parking with Elevator | 764 | Space | 0.00 | 305,600 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.52 | 35.2 | 60.2 | 0.11 | 0.74 | 6.79 | 7.47 | 0.68 | 1.60 | 2.23 | 16,501 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 41.8 | 33.1 | 62.0 | 0.10 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 16,412 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 8.94 | 23.4 | 45.9 | 0.07 | 0.60 | 5.78 | 6.31 | 0.54 | 1.36 | 1.85 | 10,644 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.63 | 4.26 | 8.38 | 0.01 | 0.11 | 1.05 | 1.15 | 0.10 | 0.25 | 0.34 | 1,762 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 35.2 | 35.0 | 0.11 | 0.74 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,501 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 4.30 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.8 | 14.8 | 0.03 | 0.53 | 1.04 | 1.57 | 0.49 | 0.23 | 0.72 | 3,685 |
| 2022 | 2.90 | 33.1 | 32.8 | 0.10 | 0.75 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,412 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 41.1 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 41.8 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.48 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 139 |
| 2022 | 1.88 | 23.4 | 23.4 | 0.07 | 0.60 | 2.89 | 3.49 | 0.53 | 0.73 | 1.26 | 10,644 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 8.94 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 4.01 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.09 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 23.0 |
| 2022 | 0.34 | 4.26 | 4.27 | 0.01 | 0.11 | 0.53 | 0.64 | 0.10 | 0.13 | 0.23 | 1,762 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 1.63 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.73 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 35.2 | 35.0 | 0.11 | 0.74 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,501 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 4.30 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.8 | 14.8 | 0.03 | 0.53 | 1.04 | 1.57 | 0.49 | 0.23 | 0.72 | 3,685 |
| 2022 | 2.90 | 33.1 | 32.8 | 0.10 | 0.75 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,412 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 41.1 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 41.8 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.48 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 139 |
| 2022 | 1.88 | 23.4 | 23.4 | 0.07 | 0.60 | 2.89 | 3.49 | 0.53 | 0.73 | 1.26 | 10,644 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 8.94 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 4.01 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.09 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 23.0 |
| 2022 | 0.34 | 4.26 | 4.27 | 0.01 | 0.11 | 0.53 | 0.64 | 0.10 | 0.13 | 0.23 | 1,762 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 1.63 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.73 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 33.0 | 14.9 | 157 | 0.26 | 0.45 | 8.64 | 9.09 | 0.45 | 1.54 | 1.99 | 47,050 |
| Mit. | 33.0 | 14.9 | 157 | 0.26 | 0.45 | 8.64 | 9.09 | 0.45 | 1.54 | 1.99 | 46,151 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 27.9 | 15.5 | 110 | 0.25 | 0.42 | 8.64 | 9.06 | 0.41 | 1.54 | 1.95 | 45,805 |
| Mit. | 27.9 | 15.5 | 110 | 0.25 | 0.42 | 8.64 | 9.06 | 0.41 | 1.54 | 1.95 | 44,906 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 30.7 | 14.6 | 139 | 0.25 | 0.38 | 8.64 | 9.02 | 0.37 | 1.54 | 1.91 | 45,985 |
| Mit. | 30.7 | 14.6 | 139 | 0.25 | 0.38 | 8.64 | 9.02 | 0.37 | 1.54 | 1.91 | 45,086 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.60 | 2.66 | 25.4 | 0.05 | 0.07 | 1.58 | 1.65 | 0.07 | 0.28 | 0.35 | 7,613 |
| Mit. | 5.60 | 2.66 | 25.4 | 0.05 | 0.07 | 1.58 | 1.65 | 0.07 | 0.28 | 0.35 | 7,465 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.9 | 10.3 | 114 | 0.25 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 25,595 |
| Area | 16.0 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 460 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,056 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 33.0 | 14.9 | 157 | 0.26 | 0.45 | 8.64 | 9.09 | 0.45 | 1.54 | 1.99 | 47,050 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.7 | 11.3 | 107 | 0.24 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 24,481 |
| Area | 11.2 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 460 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,056 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 27.9 | 15.5 | 110 | 0.25 | 0.42 | 8.64 | 9.06 | 0.41 | 1.54 | 1.95 | 45,805 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.5 | 11.4 | 110 | 0.24 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 24,800 |
| Area | 14.5 | 0.25 | 27.5 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 89.7 |
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 460 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,056 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 30.7 | 14.6 | 139 | 0.25 | 0.38 | 8.64 | 9.02 | 0.37 | 1.54 | 1.91 | 45,985 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.83 | 2.08 | 20.0 | 0.04 | 0.03 | 1.58 | 1.61 | 0.03 | 0.28 | 0.31 | 4,106 |
| Area | 2.65 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.01 | 0.26 | 0.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 1,307 |
| Water | — | — | — | — | — | — | — | — | — | — | 76.1 |
| Waste | — | — | — | — | — | — | — | — | — | — | 175 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.60 | 2.66 | 25.4 | 0.05 | 0.07 | 1.58 | 1.65 | 0.07 | 0.28 | 0.35 | 7,613 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.9 | 10.3 | 114 | 0.25 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 25,595 |
| Area | 16.0 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 368 |
| Waste | — | — | — | — | — | — | — | — | — | — | 249 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 33.0 | 14.9 | 157 | 0.26 | 0.45 | 8.64 | 9.09 | 0.45 | 1.54 | 1.99 | 46,151 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.7 | 11.3 | 107 | 0.24 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 24,481 |
| Area | 11.2 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 368 |
| Waste | — | — | — | — | — | — | — | — | — | — | 249 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 27.9 | 15.5 | 110 | 0.25 | 0.42 | 8.64 | 9.06 | 0.41 | 1.54 | 1.95 | 44,906 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 15.5 | 11.4 | 110 | 0.24 | 0.17 | 8.64 | 8.80 | 0.15 | 1.54 | 1.69 | 24,800 |
| Area | 14.5 | 0.25 | 27.5 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 89.7 |
| Energy | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 7,897 |
| Water | — | — | — | — | — | — | — | — | — | — | 368 |
| Waste | — | — | — | — | — | — | — | — | — | — | 249 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 30.7 | 14.6 | 139 | 0.25 | 0.38 | 8.64 | 9.02 | 0.37 | 1.54 | 1.91 | 45,086 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.83 | 2.08 | 20.0 | 0.04 | 0.03 | 1.58 | 1.61 | 0.03 | 0.28 | 0.31 | 4,106 |
| Area | 2.65 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |
| Energy | 0.01 | 0.26 | 0.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 1,307 |
| Water | — | — | — | — | — | — | — | — | — | — | 60.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | 41.3 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.60 | 2.66 | 25.4 | 0.05 | 0.07 | 1.58 | 1.65 | 0.07 | 0.28 | 0.35 | 7,465 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.06 | 2.82 | 0.85 | 0.01 | 0.03 | 0.38 | 0.41 | 0.03 | 0.10 | 0.13 | 1,545 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | < 0.005 | 58.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 9.62 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.06 | 2.82 | 0.85 | 0.01 | 0.03 | 0.38 | 0.41 | 0.03 | 0.10 | 0.13 | 1,545 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | < 0.005 | 58.1 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 9.62 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.04 | 2.49 | 0.78 | 0.01 | 0.03 | 0.38 | 0.41 | 0.02 | 0.10 | 0.12 | 1,527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.28 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 169 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 27.9 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.04 | 2.49 | 0.78 | 0.01 | 0.03 | 0.38 | 0.41 | 0.02 | 0.10 | 0.12 | 1,527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.28 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 169 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 27.9 |

## 3.5. Grading (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.31 | 19.2 | 6.18 | 0.07 | 0.21 | 3.04 | 3.25 | 0.14 | 0.81 | 0.95 | 12,242 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.31 | 19.9 | 6.25 | 0.07 | 0.22 | 3.04 | 3.25 | 0.14 | 0.81 | 0.96 | 12,216 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.14 | 9.29 | 2.86 | 0.03 | 0.10 | 1.39 | 1.48 | 0.06 | 0.37 | 0.44 | 5,628 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.70 | 0.52 | 0.01 | 0.02 | 0.25 | 0.27 | 0.01 | 0.07 | 0.08 | 932 |

## 3.6. Grading (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.31 | 19.2 | 6.18 | 0.07 | 0.21 | 3.04 | 3.25 | 0.14 | 0.81 | 0.95 | 12,242 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.31 | 19.9 | 6.25 | 0.07 | 0.22 | 3.04 | 3.25 | 0.14 | 0.81 | 0.96 | 12,216 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.14 | 9.29 | 2.86 | 0.03 | 0.10 | 1.39 | 1.48 | 0.06 | 0.37 | 0.44 | 5,628 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.70 | 0.52 | 0.01 | 0.02 | 0.25 | 0.27 | 0.01 | 0.07 | 0.08 | 932 |

## 3.7. Building Construction (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.17 | 2.49 | 0.00 | 0.00 | 0.37 | 0.37 | 0.00 | 0.09 | 0.09 | 419 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 5.51 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.91 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.17 | 2.49 | 0.00 | 0.00 | 0.37 | 0.37 | 0.00 | 0.09 | 0.09 | 419 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 5.51 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.91 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 5.28 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.96 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.28 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.96 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.55 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.65 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.55 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.65 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

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

### 4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

## 4.2. Energy

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

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,114 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,114 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 14.0 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 390 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 385 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 22.4 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,012 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,114 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,114 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 14.0 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 390 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 385 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 22.4 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,012 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 1,783 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 1,783 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 1.31 |
| Supermarket | < 0.005 | 0.04 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 39.6 |
| Apartments High Rise | 0.01 | 0.19 | 0.08 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 220 |
| Single Family Housing | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 34.0 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.26 | 0.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 295 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 1,783 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.08 | 1.41 | 0.69 | 0.01 | 0.11 | — | 0.11 | 0.11 | — | 0.11 | 1,783 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 1.31 |
| Supermarket | < 0.005 | 0.04 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 39.6 |
| Apartments High Rise | 0.01 | 0.19 | 0.08 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 220 |
| Single Family Housing | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 34.0 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.01 | 0.26 | 0.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 295 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.88 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.80 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Total | 16.0 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.88 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.2 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.89 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.16 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.60 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |
| Total | 2.65 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

### 4.3.1. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.88 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.80 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Total | 16.0 | 0.37 | 40.2 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.88 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.2 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.89 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.16 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.60 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |
| Total | 2.65 | 0.05 | 5.02 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 8.84 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 460 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 8.84 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 460 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.21 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 22.2 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 51.2 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.46 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 76.1 |

### 4.4.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 5.86 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 107 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 247 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 7.07 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 368 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 5.86 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 107 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 247 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 7.07 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 368 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.97 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 17.8 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 41.0 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.17 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 60.9 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 19.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,056 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 19.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,056 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.64 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 96.8 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 73.2 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 3.15 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 175 |

### 4.5.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 2.34 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 138 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 104 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 4.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | 249 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 2.34 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 138 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 104 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 4.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 249 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.39 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 22.9 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 17.3 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.74 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 41.3 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 0.47 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,888 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,406 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 0.47 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,888 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

### 4.8.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

## 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — |

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 11/1/2024 | 2/10/2025 | 6.00 | 87.0 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 160 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 28.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 160 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 28.0 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 858,033 | 286,011 | 90,000 | 30,000 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 142,000 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |

### 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 |
|---|---|---|
| Strip Mall | 0.00 | 0% |
| Supermarket | 0.00 | 0% |
| Apartments High Rise | — | 0% |
| Single Family Housing | 0.13 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 4,911 | 4,911 | 4,911 | 1,792,515 | 31,026 | 31,026 | 31,026 | 11,324,490 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 4,911 | 4,911 | 4,911 | 1,792,515 | 31,026 | 31,026 | 31,026 | 11,324,490 |

## 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) |
|---|---|---|---|---|
| 858033 | 286,011 | 90,000 | 30,000 | — |

### 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) |
|---|---|---|---|---|---|
| Strip Mall | 49,783 | 616 | 0.0489 | 0.0069 | 24,621 |
| Supermarket | 1,387,169 | 616 | 0.0489 | 0.0069 | 745,030 |
| Apartments High Rise | 1,369,217 | 616 | 0.0489 | 0.0069 | 4,138,875 |
| Single Family Housing | 79,595 | 616 | 0.0489 | 0.0069 | 639,124 |
| Enclosed Parking with Elevator | 717,819 | 616 | 0.0489 | 0.0069 | 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) |
|---|---|---|---|---|---|
| Strip Mall | 49,783 | 616 | 0.0489 | 0.0069 | 24,621 |
| Supermarket | 1,387,169 | 616 | 0.0489 | 0.0069 | 745,030 |
| Apartments High Rise | 1,369,217 | 616 | 0.0489 | 0.0069 | 4,138,875 |
| Single Family Housing | 79,595 | 616 | 0.0489 | 0.0069 | 639,124 |
| Enclosed Parking with Elevator | 717,819 | 616 | 0.0489 | 0.0069 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Strip Mall | 370,363 | 0.00 |
| Supermarket | 6,779,752 | 0.00 |
| Apartments High Rise | 15,543,175 | 228,834 |
| Single Family Housing | 447,286 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Strip Mall | 296,290 | 0.00 |
| Supermarket | 5,423,801 | 0.00 |
| Apartments High Rise | 12,434,540 | 183,068 |
| Single Family Housing | 357,828 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Strip Mall | 5.25 | 0.00 |
| Supermarket | 310 | 0.00 |
| Apartments High Rise | 104 | 0.00 |
| Single Family Housing | 3.18 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Strip Mall | 1.24 | 0.00 |
| Supermarket | 73.2 | 0.00 |
| Apartments High Rise | 24.6 | 0.00 |
| Single Family Housing | 0.75 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 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 |
|---|---|---|---|---|---|---|---|
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Strip Mall | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Supermarket | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Supermarket | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |
| Apartments High Rise | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Apartments High Rise | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Strip Mall | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Supermarket | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Supermarket | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Apartments High Rise | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Apartments High Rise | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

## 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 |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 200 | 300 | 0.73 |

### 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |

| | |
|---|---|
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |

| | |
|---|---|
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |

| | |
|---|---|
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | see construction assumptions |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | adjustment for garage ventilation |
| Operations: Emergency Generators and Fire Pumps | One per day for testing |

# 1360 Vine - Residential Onsite Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

5.18. 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 | 1360 Vine - Residential Onsite |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Strip Mall | 5.00 | 1000sqft | 0.00 | 5,000 | 0.00 | 0.00 | — | — |
| Supermarket | 55.0 | 1000sqft | 0.00 | 55,000 | 0.00 | 0.00 | — | — |
| Apartments High Rise | 417 | Dwelling Unit | 1.80 | 400,320 | 13,350 | 0.00 | 939 | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 12.0 | Dwelling Unit | 0.00 | 23,400 | 0.00 | 0.00 | 38.0 | — |
| Enclosed Parking with Elevator | 764 | Space | 0.00 | 305,600 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.13 | 17.9 | 18.7 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,149 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 39.4 | 23.1 | 28.5 | 0.05 | 0.78 | 0.33 | 0.84 | 0.72 | 0.05 | 0.72 | 4,721 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 7.02 | 15.1 | 15.9 | 0.03 | 0.57 | 0.04 | 0.57 | 0.52 | 0.01 | 0.52 | 2,706 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.28 | 2.76 | 2.91 | 0.01 | 0.10 | 0.01 | 0.10 | 0.10 | < 0.005 | 0.10 | 448 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | 0.33 | 0.75 | 0.63 | 0.05 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 38.9 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 39.4 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.23 | 11.2 | 12.9 | 0.02 | 0.48 | 0.04 | 0.52 | 0.44 | 0.01 | 0.45 | 2,328 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 7.02 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 3.78 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.23 | 2.04 | 2.35 | < 0.005 | 0.09 | 0.01 | 0.09 | 0.08 | < 0.005 | 0.08 | 385 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 1.28 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.69 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | 0.33 | 0.75 | 0.63 | 0.05 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 38.9 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 39.4 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.23 | 11.2 | 12.9 | 0.02 | 0.48 | 0.04 | 0.52 | 0.44 | 0.01 | 0.45 | 2,328 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 7.02 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 3.78 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.23 | 2.04 | 2.35 | < 0.005 | 0.09 | 0.01 | 0.09 | 0.08 | < 0.005 | 0.08 | 385 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 1.28 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.69 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.28 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.96 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.28 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.96 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.55 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.65 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.9 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.55 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.65 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

## 4.10. 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |

| | | | | | | |
|---|---|---|---|---|---|---|
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 11/1/2024 | 2/10/2025 | 6.00 | 87.0 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

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

| | | | | |
|---|---|---|---|---|
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Foundation | — | — | — | — |
| Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 858,033 | 286,011 | 90,000 | 30,000 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 142,000 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |

### 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 |
|---|---|---|
| Strip Mall | 0.00 | 0% |
| Supermarket | 0.00 | 0% |
| Apartments High Rise | — | 0% |
| Single Family Housing | 0.13 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |

| | |
|---|---|
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |

| | |
|---|---|
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |

| | |
|---|---|
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |

| | |
|---|---|
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | see construction assumptions |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | adjustment for garage ventilation |
| Operations: Emergency Generators and Fire Pumps | One per day for testing |
| Construction: Off-Road Equipment EF | see construction assumptions |

# 1360 Vine - Residential with Restaurant  Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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 | 1360 Vine - Residential with Restaurant |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Strip Mall | 5.00 | 1000sqft | 0.00 | 5,000 | 0.00 | 0.00 | — | — |
| Supermarket | 55.0 | 1000sqft | 0.00 | 55,000 | 0.00 | 0.00 | — | — |
| Apartments High Rise | 417 | Dwelling Unit | 1.80 | 400,320 | 13,350 | 0.00 | 939 | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 764 | Space | 0.00 | 305,600 | 0.00 | 0.00 | — | — |
| High Turnover (Sit Down Restaurant) | 8.99 | 1000sqft | 0.00 | 8,988 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.52 | 35.2 | 60.2 | 0.11 | 0.74 | 6.79 | 7.47 | 0.68 | 1.60 | 2.23 | 16,501 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 41.1 | 33.1 | 62.0 | 0.10 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 16,412 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 8.83 | 23.4 | 45.9 | 0.07 | 0.60 | 5.78 | 6.31 | 0.54 | 1.36 | 1.85 | 10,644 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.61 | 4.26 | 8.38 | 0.01 | 0.11 | 1.05 | 1.15 | 0.10 | 0.25 | 0.34 | 1,762 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 35.2 | 35.0 | 0.11 | 0.74 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,501 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 4.30 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.8 | 14.8 | 0.03 | 0.53 | 1.04 | 1.57 | 0.49 | 0.23 | 0.72 | 3,685 |
| 2022 | 2.90 | 33.1 | 32.8 | 0.10 | 0.75 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,412 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 40.4 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 41.1 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.48 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 139 |
| 2022 | 1.88 | 23.4 | 23.4 | 0.07 | 0.60 | 2.89 | 3.49 | 0.53 | 0.73 | 1.26 | 10,644 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 8.83 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.94 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.09 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 23.0 |
| 2022 | 0.34 | 4.26 | 4.27 | 0.01 | 0.11 | 0.53 | 0.64 | 0.10 | 0.13 | 0.23 | 1,762 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 1.61 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.72 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 35.2 | 35.0 | 0.11 | 0.74 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,501 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 4.30 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.8 | 14.8 | 0.03 | 0.53 | 1.04 | 1.57 | 0.49 | 0.23 | 0.72 | 3,685 |
| 2022 | 2.90 | 33.1 | 32.8 | 0.10 | 0.75 | 4.11 | 4.85 | 0.68 | 1.07 | 1.70 | 16,412 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 40.4 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 41.1 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.48 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 139 |
| 2022 | 1.88 | 23.4 | 23.4 | 0.07 | 0.60 | 2.89 | 3.49 | 0.53 | 0.73 | 1.26 | 10,644 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 8.83 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.94 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.09 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 23.0 |
| 2022 | 0.34 | 4.26 | 4.27 | 0.01 | 0.11 | 0.53 | 0.64 | 0.10 | 0.13 | 0.23 | 1,762 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 1.61 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.72 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 34.2 | 15.9 | 168 | 0.29 | 0.47 | 9.49 | 9.97 | 0.47 | 1.69 | 2.16 | 50,244 |
| Mit. | 34.2 | 15.9 | 168 | 0.29 | 0.47 | 9.49 | 9.97 | 0.47 | 1.69 | 2.16 | 50,244 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.1 | 16.6 | 121 | 0.27 | 0.44 | 9.49 | 9.94 | 0.43 | 1.69 | 2.12 | 48,889 |
| Mit. | 29.1 | 16.6 | 121 | 0.27 | 0.44 | 9.49 | 9.94 | 0.43 | 1.69 | 2.12 | 48,889 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.8 | 15.7 | 150 | 0.28 | 0.40 | 9.49 | 9.89 | 0.39 | 1.69 | 2.08 | 49,100 |
| Mit. | 31.8 | 15.7 | 150 | 0.28 | 0.40 | 9.49 | 9.89 | 0.39 | 1.69 | 2.08 | 49,100 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.81 | 2.87 | 27.3 | 0.05 | 0.07 | 1.73 | 1.81 | 0.07 | 0.31 | 0.38 | 8,129 |
| Mit. | 5.81 | 2.87 | 27.3 | 0.05 | 0.07 | 1.73 | 1.81 | 0.07 | 0.31 | 0.38 | 8,129 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.4 | 11.3 | 125 | 0.27 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 28,118 |
| Area | 15.7 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 34.2 | 15.9 | 168 | 0.29 | 0.47 | 9.49 | 9.97 | 0.47 | 1.69 | 2.16 | 50,244 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.1 | 12.4 | 118 | 0.26 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 26,894 |
| Area | 10.9 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 29.1 | 16.6 | 121 | 0.27 | 0.44 | 9.49 | 9.94 | 0.43 | 1.69 | 2.12 | 48,889 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.0 | 12.5 | 120 | 0.26 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 27,244 |
| Area | 14.2 | 0.25 | 27.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 89.5 |
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 31.8 | 15.7 | 150 | 0.28 | 0.40 | 9.49 | 9.89 | 0.39 | 1.69 | 2.08 | 49,100 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 3.10 | 2.28 | 21.9 | 0.05 | 0.03 | 1.73 | 1.77 | 0.03 | 0.31 | 0.34 | 4,511 |
| Area | 2.59 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.02 | 0.27 | 0.15 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 1,379 |
| Water | — | — | — | — | — | — | — | — | — | — | 83.5 |
| Waste | — | — | — | — | — | — | — | — | — | — | 205 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 1,891 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.81 | 2.87 | 27.3 | 0.05 | 0.07 | 1.73 | 1.81 | 0.07 | 0.31 | 0.38 | 8,129 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.4 | 11.3 | 125 | 0.27 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 28,118 |
| Area | 15.7 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 34.2 | 15.9 | 168 | 0.29 | 0.47 | 9.49 | 9.97 | 0.47 | 1.69 | 2.16 | 50,244 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.1 | 12.4 | 118 | 0.26 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 26,894 |
| Area | 10.9 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 29.1 | 16.6 | 121 | 0.27 | 0.44 | 9.49 | 9.94 | 0.43 | 1.69 | 2.12 | 48,889 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 17.0 | 12.5 | 120 | 0.26 | 0.18 | 9.49 | 9.67 | 0.17 | 1.69 | 1.86 | 27,244 |
| Area | 14.2 | 0.25 | 27.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 89.5 |
| Energy | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 8,327 |
| Water | — | — | — | — | — | — | — | — | — | — | 505 |
| Waste | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 31.8 | 15.7 | 150 | 0.28 | 0.40 | 9.49 | 9.89 | 0.39 | 1.69 | 2.08 | 49,100 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 3.10 | 2.28 | 21.9 | 0.05 | 0.03 | 1.73 | 1.77 | 0.03 | 0.31 | 0.34 | 4,511 |
| Area | 2.59 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |
| Energy | 0.02 | 0.27 | 0.15 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 1,379 |
| Water | — | — | — | — | — | — | — | — | — | — | 83.5 |
| Waste | — | — | — | — | — | — | — | — | — | — | 205 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 1,891 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.81 | 2.87 | 27.3 | 0.05 | 0.07 | 1.73 | 1.81 | 0.07 | 0.31 | 0.38 | 8,129 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.06 | 2.82 | 0.85 | 0.01 | 0.03 | 0.38 | 0.41 | 0.03 | 0.10 | 0.13 | 1,545 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | < 0.005 | 58.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 9.62 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.06 | 2.82 | 0.85 | 0.01 | 0.03 | 0.38 | 0.41 | 0.03 | 0.10 | 0.13 | 1,545 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.02 | < 0.005 | < 0.005 | < 0.005 | 58.1 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 9.62 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.04 | 2.49 | 0.78 | 0.01 | 0.03 | 0.38 | 0.41 | 0.02 | 0.10 | 0.12 | 1,527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.28 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 169 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 27.9 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.04 | 2.49 | 0.78 | 0.01 | 0.03 | 0.38 | 0.41 | 0.02 | 0.10 | 0.12 | 1,527 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.28 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 169 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 27.9 |

## 3.5. Grading (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.31 | 19.2 | 6.18 | 0.07 | 0.21 | 3.04 | 3.25 | 0.14 | 0.81 | 0.95 | 12,242 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.31 | 19.9 | 6.25 | 0.07 | 0.22 | 3.04 | 3.25 | 0.14 | 0.81 | 0.96 | 12,216 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.14 | 9.29 | 2.86 | 0.03 | 0.10 | 1.39 | 1.48 | 0.06 | 0.37 | 0.44 | 5,628 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.70 | 0.52 | 0.01 | 0.02 | 0.25 | 0.27 | 0.01 | 0.07 | 0.08 | 932 |

## 3.6. Grading (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.31 | 19.2 | 6.18 | 0.07 | 0.21 | 3.04 | 3.25 | 0.14 | 0.81 | 0.95 | 12,242 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.31 | 19.9 | 6.25 | 0.07 | 0.22 | 3.04 | 3.25 | 0.14 | 0.81 | 0.96 | 12,216 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.14 | 9.29 | 2.86 | 0.03 | 0.10 | 1.39 | 1.48 | 0.06 | 0.37 | 0.44 | 5,628 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.70 | 0.52 | 0.01 | 0.02 | 0.25 | 0.27 | 0.01 | 0.07 | 0.08 | 932 |

## 3.7. Building Construction (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.17 | 2.49 | 0.00 | 0.00 | 0.37 | 0.37 | 0.00 | 0.09 | 0.09 | 419 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 5.51 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.91 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.17 | 2.49 | 0.00 | 0.00 | 0.37 | 0.37 | 0.00 | 0.09 | 0.09 | 419 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 5.51 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.91 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 5.18 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.95 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.18 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.95 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

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

### 4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

## 4.2. Energy

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

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 497 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,476 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 497 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,476 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 14.0 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 390 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 385 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 202 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 82.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,072 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 497 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,476 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 84.5 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 2,354 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2,323 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 1,218 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 497 |
| Total | — | — | — | — | — | — | — | — | — | — | 6,476 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 14.0 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 390 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 385 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 202 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 82.2 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,072 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | 0.01 | 0.23 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 274 |
| Total | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 1,851 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 0.01 | 0.23 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 274 |
| Total | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 1,851 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 1.31 |
| Supermarket | < 0.005 | 0.04 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 39.6 |
| Apartments High Rise | 0.01 | 0.19 | 0.08 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 220 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | < 0.005 | 0.04 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 45.3 |
| Total | 0.02 | 0.27 | 0.15 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 306 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 0.01 | 0.23 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 274 |
| Total | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 1,851 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 7.91 |
| Supermarket | 0.01 | 0.20 | 0.17 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 239 |
| Apartments High Rise | 0.06 | 1.05 | 0.44 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 1,330 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 0.01 | 0.23 | 0.19 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 274 |
| Total | 0.09 | 1.48 | 0.81 | 0.01 | 0.12 | — | 0.12 | 0.12 | — | 0.12 | 1,851 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 1.31 |
| Supermarket | < 0.005 | 0.04 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 39.6 |
| Apartments High Rise | 0.01 | 0.19 | 0.08 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 220 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | < 0.005 | 0.04 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 45.3 |
| Total | 0.02 | 0.27 | 0.15 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 306 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.0 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.86 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.80 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Total | 15.7 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.0 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.86 | — | — | — | — | — | — | — | — | — | — |
| Total | 10.9 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.83 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.16 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.60 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |
| Total | 2.59 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

### 4.3.1. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.0 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.86 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.80 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Total | 15.7 | 0.37 | 39.9 | < 0.005 | 0.03 | — | 0.03 | 0.04 | — | 0.04 | 131 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.0 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.86 | — | — | — | — | — | — | — | — | — | — |
| Total | 10.9 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.83 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.16 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.60 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 2.59 | 0.05 | 4.99 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | 14.8 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 53.9 |
| Total | — | — | — | — | — | — | — | — | — | — | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 53.9 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.21 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 22.2 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 51.2 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 8.93 |
| Total | — | — | — | — | — | — | — | — | — | — | 83.5 |

### 4.4.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 53.9 |
| Total | — | — | — | — | — | — | — | — | — | — | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 7.32 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 134 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 309 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 53.9 |
| Total | — | — | — | — | — | — | — | — | — | — | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.21 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 22.2 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 51.2 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 8.93 |
| Total | — | — | — | — | — | — | — | — | — | — | 83.5 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.64 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 96.8 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 73.2 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 33.4 |
| Total | — | — | — | — | — | — | — | — | — | — | 205 |

### 4.5.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 9.90 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 585 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 442 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 202 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,239 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 1.64 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 96.8 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 73.2 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 33.4 |
| Total | — | — | — | — | — | — | — | — | — | — | 205 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 14.1 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,420 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 14.1 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 0.47 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 2.33 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,891 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 14.1 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 11,403 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 2.87 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 14.1 |
| Total | — | — | — | — | — | — | — | — | — | — | 11,420 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Strip Mall | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Supermarket | — | — | — | — | — | — | — | — | — | — | 1,888 |
| Apartments High Rise | — | — | — | — | — | — | — | — | — | — | 0.47 |
| High Turnover (Sit Down Restaurant) | — | — | — | — | — | — | — | — | — | — | 2.33 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,891 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

### 4.8.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

## 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 11/1/2024 | 2/10/2025 | 6.00 | 87.0 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Tractors/Loaders/Backh | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 160 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 28.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 160 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 28.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 810,648 | 270,216 | 103,482 | 34,494 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 142,000 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 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 |
|---|---|---|
| Strip Mall | 0.00 | 0% |
| Supermarket | 0.00 | 0% |
| Apartments High Rise | — | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |
| High Turnover (Sit Down Restaurant) | 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 |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |

| | | | | |
|---|---|---|---|---|
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 5,371 | 5,371 | 5,371 | 1,960,415 | 34,090 | 34,090 | 34,090 | 12,442,850 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 5,371 | 5,371 | 5,371 | 1,960,415 | 34,090 | 34,090 | 34,090 | 12,442,850 |

## 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) |
|---|---|---|---|---|
| 810648 | 270,216 | 103,482 | 34,494 | — |

### 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) |
|---|---|---|---|---|---|
| Strip Mall | 49,783 | 616 | 0.0489 | 0.0069 | 24,621 |
| Supermarket | 1,387,169 | 616 | 0.0489 | 0.0069 | 745,030 |
| Apartments High Rise | 1,369,217 | 616 | 0.0489 | 0.0069 | 4,138,875 |
| Enclosed Parking with Elevator | 717,819 | 616 | 0.0489 | 0.0069 | 0.00 |
| High Turnover (Sit Down Restaurant) | 292,740 | 616 | 0.0489 | 0.0069 | 851,430 |

### 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) |
|---|---|---|---|---|---|
| Strip Mall | 49,783 | 616 | 0.0489 | 0.0069 | 24,621 |
| Supermarket | 1,387,169 | 616 | 0.0489 | 0.0069 | 745,030 |

| | | | | | |
|---|---|---|---|---|---|
| Apartments High Rise | 1,369,217 | 616 | 0.0489 | 0.0069 | 4,138,875 |
| Enclosed Parking with Elevator | 717,819 | 616 | 0.0489 | 0.0069 | 0.00 |
| High Turnover (Sit Down Restaurant) | 292,740 | 616 | 0.0489 | 0.0069 | 851,430 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Strip Mall | 370,363 | 0.00 |
| Supermarket | 6,779,752 | 0.00 |
| Apartments High Rise | 15,543,175 | 228,834 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 2,728,161 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Strip Mall | 370,363 | 0.00 |
| Supermarket | 6,779,752 | 0.00 |
| Apartments High Rise | 15,543,175 | 228,834 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 2,728,161 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|

| | | |
|---|---|---|
| Strip Mall | 5.25 | 0.00 |
| Supermarket | 310 | 0.00 |
| Apartments High Rise | 104 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 107 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Strip Mall | 5.25 | 0.00 |
| Supermarket | 310 | 0.00 |
| Apartments High Rise | 104 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |
| High Turnover (Sit Down Restaurant) | 107 | 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 |
|---|---|---|---|---|---|---|---|
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Strip Mall | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Supermarket | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Supermarket | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Apartments High Rise | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Apartments High Rise | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| High Turnover (Sit Down Restaurant) | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| High Turnover (Sit Down Restaurant) | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| High Turnover (Sit Down Restaurant) | 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 |
|---|---|---|---|---|---|---|---|
| Strip Mall | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Strip Mall | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Strip Mall | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Supermarket | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Supermarket | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |
| Apartments High Rise | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Apartments High Rise | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| High Turnover (Sit Down Restaurant) | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| High Turnover (Sit Down Restaurant) | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| High Turnover (Sit Down Restaurant) | 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 |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 200 | 300 | 0.73 |

### 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5).  Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |

| | |
|---|---|
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | see construction assumptions |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | adjustment for garage ventilation |
| Characteristics: Project Details | South Coast Air Basin |
| Operations: Emergency Generators and Fire Pumps | One hour per day for testing |

# 1360 Vine - Residential with Restaurant Onsite Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

5.18. 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 | 1360 Vine - Residential with Restaurant Onsite |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Strip Mall | 5.00 | 1000sqft | 0.00 | 5,000 | 0.00 | 0.00 | — | — |
| Supermarket | 55.0 | 1000sqft | 0.00 | 55,000 | 0.00 | 0.00 | — | — |
| Apartments High Rise | 417 | Dwelling Unit | 1.80 | 400,320 | 13,350 | 0.00 | 939 | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 764 | Space | 0.00 | 305,600 | 0.00 | 0.00 | — | — |
| High Turnover (Sit Down Restaurant) | 8.99 | 1000sqft | 0.00 | 8,988 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.13 | 17.9 | 18.7 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,149 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 38.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.33 | 0.84 | 0.72 | 0.05 | 0.72 | 4,721 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 6.92 | 15.1 | 15.9 | 0.03 | 0.57 | 0.04 | 0.57 | 0.52 | 0.01 | 0.52 | 2,706 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.26 | 2.76 | 2.91 | 0.01 | 0.10 | 0.01 | 0.10 | 0.10 | < 0.005 | 0.10 | 448 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | 0.33 | 0.75 | 0.63 | 0.05 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 38.2 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 38.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.23 | 11.2 | 12.9 | 0.02 | 0.48 | 0.04 | 0.52 | 0.44 | 0.01 | 0.45 | 2,328 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 6.92 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 3.71 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.23 | 2.04 | 2.35 | < 0.005 | 0.09 | 0.01 | 0.09 | 0.08 | < 0.005 | 0.08 | 385 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 1.26 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.68 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | < 0.005 | 0.69 | 0.63 | < 0.005 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | 0.33 | 0.75 | 0.63 | 0.05 | 0.63 | 3,012 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 38.2 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 38.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.23 | 11.2 | 12.9 | 0.02 | 0.48 | 0.04 | 0.52 | 0.44 | 0.01 | 0.45 | 2,328 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 6.92 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 3.71 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.23 | 2.04 | 2.35 | < 0.005 | 0.09 | 0.01 | 0.09 | 0.08 | < 0.005 | 0.08 | 385 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 1.26 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.68 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.30 | 12.1 | 14.6 | 0.03 | 0.53 | — | 0.53 | 0.48 | — | 0.48 | 2,790 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.60 | 5.58 | 6.73 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,284 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.02 | 1.23 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 213 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.18 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.95 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.18 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.95 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 36.2 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.64 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

## 4.10. 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |

| | | | | | | |
|---|---|---|---|---|---|---|
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 11/1/2024 | 2/10/2025 | 6.00 | 87.0 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 83.0 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

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

| | | | | |
|---|---|---|---|---|
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Foundation | — | — | — | — |
| Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 20.0 | HHDT |
| Demolition | Onsite truck | 0.00 | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Foundation | — | — | — | — |
| Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 810,648 | 270,216 | 103,482 | 34,494 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 142,000 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 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 |
|---|---|---|
| Strip Mall | 0.00 | 0% |
| Supermarket | 0.00 | 0% |
| Apartments High Rise | — | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |
| High Turnover (Sit Down Restaurant) | 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 |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |

| | |
|---|---|
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |

| | |
|---|---|
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |

| | |
|---|---|
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |

| | |
|---|---|
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | see construction assumptions |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | adjustment for garage ventilation |
| Characteristics: Project Details | South Coast Air Basin |
| Operations: Emergency Generators and Fire Pumps | One hour per day for testing |

# 1360 Vine - Office with Residential Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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 | 1360 Vine - Office with Residential |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Office Building | 464 | 1000sqft | 0.00 | 464,000 | 22,178 | 0.00 | — | — |
| Quality Restaurant | 11.9 | 1000sqft | 0.00 | 11,900 | 0.00 | 0.00 | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 12.0 | Dwelling Unit | 1.86 | 23,400 | 0.00 | 0.00 | 38.0 | — |
| Enclosed Parking with Elevator | 1,699 | Space | 0.00 | 679,600 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.8 | 39.4 | 60.2 | 0.13 | 0.99 | 6.79 | 7.47 | 0.85 | 1.60 | 2.23 | 19,463 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 32.4 | 40.3 | 62.0 | 0.13 | 0.99 | 7.70 | 8.51 | 0.85 | 1.83 | 2.56 | 19,371 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13.5 | 26.6 | 45.9 | 0.08 | 0.71 | 5.78 | 6.31 | 0.63 | 1.36 | 1.85 | 11,971 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.47 | 4.86 | 8.38 | 0.01 | 0.13 | 1.05 | 1.15 | 0.11 | 0.25 | 0.34 | 1,982 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 39.4 | 35.0 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,463 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 31.8 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.3 | 14.7 | 0.03 | 0.53 | 0.96 | 1.48 | 0.49 | 0.21 | 0.69 | 3,369 |
| 2022 | 2.90 | 40.3 | 32.8 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,371 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 31.7 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 32.4 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.46 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 127 |
| 2022 | 2.14 | 26.6 | 25.9 | 0.08 | 0.71 | 3.06 | 3.77 | 0.63 | 0.78 | 1.40 | 11,971 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 13.5 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.10 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.08 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 21.0 |
| 2022 | 0.39 | 4.86 | 4.73 | 0.01 | 0.13 | 0.56 | 0.69 | 0.11 | 0.14 | 0.26 | 1,982 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 2.47 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.57 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 39.4 | 35.0 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,463 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 31.8 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.3 | 14.7 | 0.03 | 0.53 | 0.96 | 1.48 | 0.49 | 0.21 | 0.69 | 3,369 |
| 2022 | 2.90 | 40.3 | 32.8 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,371 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 31.7 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 32.4 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.46 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 127 |
| 2022 | 2.14 | 26.6 | 25.9 | 0.08 | 0.71 | 3.06 | 3.77 | 0.63 | 0.78 | 1.40 | 11,971 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 13.5 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.10 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.08 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 21.0 |
| 2022 | 0.39 | 4.86 | 4.73 | 0.01 | 0.13 | 0.56 | 0.69 | 0.11 | 0.14 | 0.26 | 1,982 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 2.47 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.57 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.3 | 13.0 | 133 | 0.20 | 0.55 | 6.00 | 6.56 | 0.57 | 1.07 | 1.64 | 40,609 |
| Mit. | 31.3 | 13.0 | 133 | 0.20 | 0.55 | 6.00 | 6.56 | 0.57 | 1.07 | 1.64 | 39,614 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 22.8 | 13.2 | 76.4 | 0.19 | 0.48 | 6.00 | 6.49 | 0.48 | 1.07 | 1.55 | 39,624 |
| Mit. | 22.8 | 13.2 | 76.4 | 0.19 | 0.48 | 6.00 | 6.49 | 0.48 | 1.07 | 1.55 | 38,629 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 3% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.0 | 12.4 | 112 | 0.19 | 0.46 | 6.00 | 6.47 | 0.47 | 1.07 | 1.54 | 39,761 |
| Mit. | 28.0 | 12.4 | 112 | 0.19 | 0.46 | 6.00 | 6.47 | 0.47 | 1.07 | 1.54 | 38,766 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 3% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.11 | 2.26 | 20.4 | 0.03 | 0.08 | 1.10 | 1.18 | 0.09 | 0.20 | 0.28 | 6,583 |
| Mit. | 5.11 | 2.26 | 20.4 | 0.03 | 0.08 | 1.10 | 1.18 | 0.09 | 0.20 | 0.28 | 6,418 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.87 | 6.87 | 76.8 | 0.17 | 0.11 | 6.00 | 6.12 | 0.10 | 1.07 | 1.17 | 17,703 |
| Area | 20.2 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,713 |
| Waste | — | — | — | — | — | — | — | — | — | — | 853 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 31.3 | 13.0 | 133 | 0.20 | 0.55 | 6.00 | 6.56 | 0.57 | 1.07 | 1.64 | 40,609 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.72 | 7.52 | 71.5 | 0.16 | 0.11 | 6.00 | 6.12 | 0.11 | 1.07 | 1.17 | 16,927 |
| Area | 11.9 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,713 |
| Waste | — | — | — | — | — | — | — | — | — | — | 853 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 22.8 | 13.2 | 76.4 | 0.19 | 0.48 | 6.00 | 6.49 | 0.48 | 1.07 | 1.55 | 39,624 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.65 | 7.59 | 73.2 | 0.16 | 0.11 | 6.00 | 6.12 | 0.10 | 1.07 | 1.17 | 17,149 |
| Area | 17.6 | 0.29 | 34.9 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | 143 |
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,713 |
| Waste | — | — | — | — | — | — | — | — | — | — | 853 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 28.0 | 12.4 | 112 | 0.19 | 0.46 | 6.00 | 6.47 | 0.47 | 1.07 | 1.54 | 39,761 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.76 | 1.38 | 13.4 | 0.03 | 0.02 | 1.10 | 1.12 | 0.02 | 0.20 | 0.21 | 2,839 |
| Area | 3.22 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Energy | 0.03 | 0.54 | 0.44 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 3,246 |
| Water | — | — | — | — | — | — | — | — | — | — | 284 |
| Waste | — | — | — | — | — | — | — | — | — | — | 141 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 3.29 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.11 | 2.26 | 20.4 | 0.03 | 0.08 | 1.10 | 1.18 | 0.09 | 0.20 | 0.28 | 6,583 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.87 | 6.87 | 76.8 | 0.17 | 0.11 | 6.00 | 6.12 | 0.10 | 1.07 | 1.17 | 17,703 |
| Area | 20.2 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,371 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 31.3 | 13.0 | 133 | 0.20 | 0.55 | 6.00 | 6.56 | 0.57 | 1.07 | 1.64 | 39,614 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.72 | 7.52 | 71.5 | 0.16 | 0.11 | 6.00 | 6.12 | 0.11 | 1.07 | 1.17 | 16,927 |
| Area | 11.9 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,371 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 22.8 | 13.2 | 76.4 | 0.19 | 0.48 | 6.00 | 6.49 | 0.48 | 1.07 | 1.55 | 38,629 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.65 | 7.59 | 73.2 | 0.16 | 0.11 | 6.00 | 6.12 | 0.10 | 1.07 | 1.17 | 17,149 |
| Area | 17.6 | 0.29 | 34.9 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | 143 |
| Energy | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 19,605 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,371 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 28.0 | 12.4 | 112 | 0.19 | 0.46 | 6.00 | 6.47 | 0.47 | 1.07 | 1.54 | 38,766 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.76 | 1.38 | 13.4 | 0.03 | 0.02 | 1.10 | 1.12 | 0.02 | 0.20 | 0.21 | 2,839 |
| Area | 3.22 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Energy | 0.03 | 0.54 | 0.44 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 3,246 |
| Water | — | — | — | — | — | — | — | — | — | — | 227 |
| Waste | — | — | — | — | — | — | — | — | — | — | 33.3 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 3.29 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.11 | 2.26 | 20.4 | 0.03 | 0.08 | 1.10 | 1.18 | 0.09 | 0.20 | 0.28 | 6,418 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 2.29 | 0.71 | 0.01 | 0.02 | 0.30 | 0.32 | 0.02 | 0.08 | 0.10 | 1,228 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.09 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 46.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 7.65 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 2.29 | 0.71 | 0.01 | 0.02 | 0.30 | 0.32 | 0.02 | 0.08 | 0.10 | 1,228 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.09 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 46.2 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 7.65 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 2.03 | 0.66 | 0.01 | 0.02 | 0.30 | 0.32 | 0.01 | 0.08 | 0.09 | 1,215 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.23 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | 134 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 22.2 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 2.03 | 0.66 | 0.01 | 0.02 | 0.30 | 0.32 | 0.01 | 0.08 | 0.09 | 1,215 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.23 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | 134 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 22.2 |

## 3.5. Grading (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.35 | 21.7 | 6.95 | 0.08 | 0.24 | 3.42 | 3.65 | 0.16 | 0.91 | 1.07 | 13,772 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.35 | 22.4 | 7.04 | 0.08 | 0.24 | 3.42 | 3.66 | 0.16 | 0.91 | 1.08 | 13,743 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.16 | 10.5 | 3.21 | 0.04 | 0.11 | 1.56 | 1.67 | 0.07 | 0.42 | 0.49 | 6,331 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.91 | 0.59 | 0.01 | 0.02 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | 1,048 |

## 3.6. Grading (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.35 | 21.7 | 6.95 | 0.08 | 0.24 | 3.42 | 3.65 | 0.16 | 0.91 | 1.07 | 13,772 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.35 | 22.4 | 7.04 | 0.08 | 0.24 | 3.42 | 3.66 | 0.16 | 0.91 | 1.08 | 13,743 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.16 | 10.5 | 3.21 | 0.04 | 0.11 | 1.56 | 1.67 | 0.07 | 0.42 | 0.49 | 6,331 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.91 | 0.59 | 0.01 | 0.02 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | 1,048 |

## 3.7. Building Construction (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.13 | 0.15 | 2.22 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 374 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 4.92 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.81 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.13 | 0.15 | 2.22 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 374 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 4.92 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.81 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.87 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.80 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.87 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.80 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

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

### 4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

## 4.2. Energy

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

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 658 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,041 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 658 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,041 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 2,076 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 109 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 22.4 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 448 |
| Total | — | — | — | — | — | — | — | — | — | — | 2,656 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 658 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,041 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 658 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 135 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,041 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 2,076 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 109 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 22.4 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 448 |
| Total | — | — | — | — | — | — | — | — | — | — | 2,656 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | 0.02 | 0.30 | 0.25 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 362 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,564 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.02 | 0.30 | 0.25 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 362 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,564 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.03 | 0.46 | 0.38 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 496 |
| Quality Restaurant | < 0.005 | 0.06 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 60.0 |
| Single Family Housing | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 34.0 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.03 | 0.54 | 0.44 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 590 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.02 | 0.30 | 0.25 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 362 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,564 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.02 | 0.30 | 0.25 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 362 |
| Single Family Housing | 0.01 | 0.16 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 205 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.16 | 2.97 | 2.43 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,564 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.03 | 0.46 | 0.38 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 496 |
| Quality Restaurant | < 0.005 | 0.06 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 60.0 |
| Single Family Housing | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 34.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.03 | 0.54 | 0.44 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 590 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.7 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.25 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 8.31 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Total | 20.2 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.7 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.25 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.9 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.95 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.23 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape Equipment | 1.04 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Total | 3.22 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |

### 4.3.1. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.7 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.25 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 8.31 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Total | 20.2 | 0.43 | 50.9 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.7 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.25 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.9 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.95 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.23 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.04 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Total | 3.22 | 0.05 | 6.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,633 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 71.4 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 8.84 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,713 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,633 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 71.4 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 8.84 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,713 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 270 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 11.8 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.46 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 284 |

### 4.4.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,307 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 57.1 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 7.07 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,371 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,307 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 57.1 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 7.07 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,371 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 216 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 9.46 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.17 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 227 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 814 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 20.5 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 19.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | 853 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 814 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 20.5 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 19.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 853 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 135 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 3.39 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 3.15 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 141 |

### 4.5.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 192 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 4.83 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 4.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 201 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 192 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 4.83 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 4.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 201 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 31.8 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 0.80 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.74 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.3 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 18.6 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 18.6 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.19 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 3.08 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Total | — | — | — | — | — | — | — | — | — | — | 3.29 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 18.6 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 18.6 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.17 |
| Total | — | — | — | — | — | — | — | — | — | — | 19.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.19 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 3.08 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.03 |
| Total | — | — | — | — | — | — | — | — | — | — | 3.29 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

### 4.8.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

## 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — |

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Building Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 8/1/2024 | 2/10/2025 | 6.00 | 166 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 180 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 180 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 47,385 | 15,795 | 713,850 | 237,950 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 321,060 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |

### 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 |
|---|---|---|
| General Office Building | 0.00 | 0% |

| | | |
|---|---|---|
| Quality Restaurant | 0.00 | 0% |
| Single Family Housing | 0.13 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 2,979 | 2,979 | 2,979 | 1,087,335 | 21,565 | 21,565 | 21,565 | 7,871,225 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 2,979 | 2,979 | 2,979 | 1,087,335 | 21,565 | 21,565 | 21,565 | 7,871,225 |

## 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) |
|---|---|---|---|---|
| 47385 | 15,795 | 713,850 | 237,950 | — |

### 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) |
|---|---|---|---|---|---|
| General Office Building | 7,390,940 | 616 | 0.0489 | 0.0069 | 9,322,622 |
| Quality Restaurant | 387,584 | 616 | 0.0489 | 0.0069 | 1,127,283 |
| Single Family Housing | 79,595 | 616 | 0.0489 | 0.0069 | 639,124 |

| | | | | | |
|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 1,596,301 | 616 | 0.0489 | 0.0069 | 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) |
|---|---|---|---|---|---|
| General Office Building | 7,390,940 | 616 | 0.0489 | 0.0069 | 9,322,622 |
| Quality Restaurant | 387,584 | 616 | 0.0489 | 0.0069 | 1,127,283 |
| Single Family Housing | 79,595 | 616 | 0.0489 | 0.0069 | 639,124 |
| Enclosed Parking with Elevator | 1,596,301 | 616 | 0.0489 | 0.0069 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Office Building | 82,468,459 | 311,037 |
| Quality Restaurant | 3,612,051 | 0.00 |
| Single Family Housing | 447,286 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Office Building | 65,974,767 | 248,830 |
| Quality Restaurant | 2,889,641 | 0.00 |
| Single Family Housing | 357,828 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 432 | 0.00 |
| Quality Restaurant | 10.9 | 0.00 |
| Single Family Housing | 3.18 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 102 | 0.00 |
| Quality Restaurant | 2.56 | 0.00 |
| Single Family Housing | 0.75 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 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 |
|---|---|---|---|---|---|---|---|
| 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 |
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Quality Restaurant | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| 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 |
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Quality Restaurant | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

## 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 |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 200 | 300 | 0.73 |

### 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |

| | |
|---|---|
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |

| | |
|---|---|
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |

| | |
|---|---|
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |

| | |
|---|---|
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | Population from VMT Calculator<br>Adjustment for lot acreage |

| | |
|---|---|
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | Adjustment for garage ventilation - see GHG parameters |

# 1360 Vine - Office with Residential Onsite Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

5.18. 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 | 1360 Vine - Office with Residential Onsite |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Office Building | 464 | 1000sqft | 0.00 | 464,000 | 22,178 | 0.00 | — | — |
| Quality Restaurant | 11.9 | 1000sqft | 0.00 | 11,900 | 0.00 | 0.00 | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 12.0 | Dwelling Unit | 1.86 | 23,400 | 0.00 | 0.00 | 38.0 | — |
| Enclosed Parking with Elevator | 1,699 | Space | 0.00 | 679,600 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.5 | 17.9 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 30.0 | 23.1 | 28.5 | 0.05 | 0.78 | 0.33 | 0.84 | 0.72 | 0.05 | 0.72 | 4,721 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 11.6 | 15.1 | 15.9 | 0.03 | 0.58 | 0.04 | 0.62 | 0.54 | 0.01 | 0.54 | 2,987 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.12 | 2.76 | 2.91 | 0.01 | 0.11 | 0.01 | 0.11 | 0.10 | < 0.005 | 0.10 | 494 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.8 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.5 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.8 | 19.3 | 0.04 | 0.75 | 0.33 | 0.75 | 0.69 | 0.05 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.5 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 30.0 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.47 | 13.3 | 15.0 | 0.03 | 0.58 | 0.04 | 0.62 | 0.54 | 0.01 | 0.54 | 2,987 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 11.6 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 2.88 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.27 | 2.43 | 2.74 | 0.01 | 0.11 | 0.01 | 0.11 | 0.10 | < 0.005 | 0.10 | 494 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 2.12 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.53 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.84 | 16.8 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.5 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.84 | 16.8 | 19.3 | 0.04 | 0.75 | 0.33 | 0.75 | 0.69 | 0.05 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.5 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 30.0 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.47 | 13.3 | 15.0 | 0.03 | 0.58 | 0.04 | 0.62 | 0.54 | 0.01 | 0.54 | 2,987 |
| 2023 | 1.80 | 15.1 | 15.9 | 0.03 | 0.57 | 0.00 | 0.57 | 0.52 | 0.00 | 0.52 | 2,689 |
| 2024 | 11.6 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 2.88 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.27 | 2.43 | 2.74 | 0.01 | 0.11 | 0.01 | 0.11 | 0.10 | < 0.005 | 0.10 | 494 |
| 2023 | 0.33 | 2.76 | 2.90 | 0.01 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 445 |
| 2024 | 2.12 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.53 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.26 | 11.1 | 9.57 | 0.02 | 0.48 | — | 0.48 | 0.44 | — | 0.44 | 1,934 |
| Onsite truck | 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 | 0.02 | 0.15 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 26.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 4.39 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.87 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.80 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.87 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.80 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 2.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.5 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.64 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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

## 4.10. 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Building Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 8/1/2024 | 2/10/2025 | 6.00 | 166 | — |

## 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 | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 47,385 | 15,795 | 713,850 | 237,950 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 321,060 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |

### 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 |
|---|---|---|
| General Office Building | 0.00 | 0% |

| | | |
|---|---|---|
| Quality Restaurant | 0.00 | 0% |
| Single Family Housing | 0.13 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |

| | |
|---|---|
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |

| | |
|---|---|
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | Population from VMT Calculator<br>Adjustment for lot acreage |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | Adjustment for garage ventilation - see GHG parameters |

# 1360 Vine - Office with Restaurant Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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 | 1360 Vine - Office with Restaurant |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Office Building | 464 | 1000sqft | 1.80 | 464,000 | 22,178 | 0.00 | — | — |
| Quality Restaurant | 20.9 | 1000sqft | 0.00 | 20,902 | 0.00 | 0.00 | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 1,693 | Space | 0.00 | 677,200 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.4 | 39.4 | 60.2 | 0.13 | 0.99 | 6.79 | 7.47 | 0.85 | 1.60 | 2.23 | 19,463 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 32.0 | 40.3 | 62.0 | 0.13 | 0.99 | 7.70 | 8.51 | 0.85 | 1.83 | 2.56 | 19,371 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13.4 | 26.6 | 45.9 | 0.08 | 0.71 | 5.78 | 6.31 | 0.63 | 1.36 | 1.85 | 11,968 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.44 | 4.86 | 8.38 | 0.01 | 0.13 | 1.05 | 1.15 | 0.11 | 0.25 | 0.34 | 1,981 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 39.4 | 35.0 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,463 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 31.4 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.3 | 14.7 | 0.03 | 0.53 | 0.96 | 1.48 | 0.49 | 0.21 | 0.69 | 3,369 |
| 2022 | 2.90 | 40.3 | 32.8 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,371 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 31.3 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 32.0 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.46 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 127 |
| 2022 | 2.14 | 26.6 | 25.9 | 0.08 | 0.71 | 3.06 | 3.77 | 0.63 | 0.78 | 1.40 | 11,968 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 13.4 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.06 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.08 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 21.0 |
| 2022 | 0.39 | 4.86 | 4.73 | 0.01 | 0.13 | 0.56 | 0.69 | 0.11 | 0.14 | 0.26 | 1,981 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 2.44 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.56 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 2.92 | 39.4 | 35.0 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,463 |
| 2023 | 4.52 | 21.7 | 60.2 | 0.04 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,505 |
| 2024 | 31.4 | 20.8 | 56.8 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 11,326 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.39 | 12.3 | 14.7 | 0.03 | 0.53 | 0.96 | 1.48 | 0.49 | 0.21 | 0.69 | 3,369 |
| 2022 | 2.90 | 40.3 | 32.8 | 0.13 | 0.99 | 4.49 | 5.48 | 0.85 | 1.17 | 2.02 | 19,371 |
| 2023 | 4.49 | 22.2 | 54.0 | 0.05 | 0.68 | 6.79 | 7.47 | 0.63 | 1.60 | 2.23 | 11,095 |
| 2024 | 31.3 | 21.3 | 51.0 | 0.04 | 0.62 | 6.79 | 7.41 | 0.57 | 1.60 | 2.17 | 10,931 |
| 2025 | 32.0 | 28.0 | 62.0 | 0.06 | 0.81 | 7.70 | 8.51 | 0.73 | 1.83 | 2.56 | 14,006 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.46 | 0.56 | < 0.005 | 0.02 | 0.04 | 0.06 | 0.02 | 0.01 | 0.03 | 127 |
| 2022 | 2.14 | 26.6 | 25.9 | 0.08 | 0.71 | 3.06 | 3.77 | 0.63 | 0.78 | 1.40 | 11,968 |
| 2023 | 3.70 | 18.9 | 45.9 | 0.04 | 0.58 | 5.50 | 6.08 | 0.54 | 1.30 | 1.84 | 9,440 |
| 2024 | 13.4 | 18.3 | 45.2 | 0.04 | 0.53 | 5.78 | 6.31 | 0.49 | 1.36 | 1.85 | 9,491 |
| 2025 | 3.06 | 2.54 | 5.82 | 0.01 | 0.07 | 0.71 | 0.79 | 0.07 | 0.17 | 0.23 | 1,287 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.08 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 21.0 |
| 2022 | 0.39 | 4.86 | 4.73 | 0.01 | 0.13 | 0.56 | 0.69 | 0.11 | 0.14 | 0.26 | 1,981 |
| 2023 | 0.68 | 3.45 | 8.38 | 0.01 | 0.11 | 1.00 | 1.11 | 0.10 | 0.24 | 0.33 | 1,563 |
| 2024 | 2.44 | 3.34 | 8.26 | 0.01 | 0.10 | 1.05 | 1.15 | 0.09 | 0.25 | 0.34 | 1,571 |
| 2025 | 0.56 | 0.46 | 1.06 | < 0.005 | 0.01 | 0.13 | 0.14 | 0.01 | 0.03 | 0.04 | 213 |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 32.7 | 14.3 | 146 | 0.23 | 0.58 | 7.07 | 7.65 | 0.59 | 1.26 | 1.85 | 44,240 |
| Mit. | 32.7 | 14.3 | 146 | 0.23 | 0.58 | 7.07 | 7.65 | 0.59 | 1.26 | 1.85 | 43,239 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 24.3 | 14.7 | 89.4 | 0.21 | 0.51 | 7.07 | 7.58 | 0.50 | 1.26 | 1.76 | 43,117 |
| Mit. | 24.3 | 14.7 | 89.4 | 0.21 | 0.51 | 7.07 | 7.58 | 0.50 | 1.26 | 1.76 | 42,117 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.4 | 13.8 | 125 | 0.22 | 0.49 | 7.07 | 7.56 | 0.50 | 1.26 | 1.75 | 43,293 |
| Mit. | 29.4 | 13.8 | 125 | 0.22 | 0.49 | 7.07 | 7.56 | 0.50 | 1.26 | 1.75 | 42,292 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 2% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.37 | 2.52 | 22.8 | 0.04 | 0.09 | 1.29 | 1.38 | 0.09 | 0.23 | 0.32 | 7,168 |
| Mit. | 5.37 | 2.52 | 22.8 | 0.04 | 0.09 | 1.29 | 1.38 | 0.09 | 0.23 | 0.32 | 7,002 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.7 | 8.11 | 90.5 | 0.20 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 20,848 |
| Area | 19.9 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,759 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | 850 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 32.7 | 14.3 | 146 | 0.23 | 0.58 | 7.07 | 7.65 | 0.59 | 1.26 | 1.85 | 44,240 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.5 | 8.88 | 84.3 | 0.19 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 19,934 |
| Area | 11.6 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,759 |
| Waste | — | — | — | — | — | — | — | — | — | — | 850 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 24.3 | 14.7 | 89.4 | 0.21 | 0.51 | 7.07 | 7.58 | 0.50 | 1.26 | 1.76 | 43,117 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.4 | 8.95 | 86.3 | 0.19 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 20,196 |
| Area | 17.3 | 0.29 | 34.6 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | 143 |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,759 |
| Waste | — | — | — | — | — | — | — | — | — | — | 850 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 29.4 | 13.8 | 125 | 0.22 | 0.49 | 7.07 | 7.56 | 0.50 | 1.26 | 1.75 | 43,293 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.09 | 1.63 | 15.8 | 0.04 | 0.02 | 1.29 | 1.31 | 0.02 | 0.23 | 0.25 | 3,344 |
| Area | 3.16 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Energy | 0.03 | 0.55 | 0.47 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 3,317 |
| Water | — | — | — | — | — | — | — | — | — | — | 291 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | 141 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 5.60 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.37 | 2.52 | 22.8 | 0.04 | 0.09 | 1.29 | 1.38 | 0.09 | 0.23 | 0.32 | 7,168 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.7 | 8.11 | 90.5 | 0.20 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 20,848 |
| Area | 19.9 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,407 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 32.7 | 14.3 | 146 | 0.23 | 0.58 | 7.07 | 7.65 | 0.59 | 1.26 | 1.85 | 43,239 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.5 | 8.88 | 84.3 | 0.19 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 19,934 |
| Area | 11.6 | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,407 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 24.3 | 14.7 | 89.4 | 0.21 | 0.51 | 7.07 | 7.58 | 0.50 | 1.26 | 1.76 | 42,117 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.4 | 8.95 | 86.3 | 0.19 | 0.13 | 7.07 | 7.20 | 0.12 | 1.26 | 1.38 | 20,196 |
| Area | 17.3 | 0.29 | 34.6 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | 143 |
| Energy | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 20,036 |
| Water | — | — | — | — | — | — | — | — | — | — | 1,407 |
| Waste | — | — | — | — | — | — | — | — | — | — | 201 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Stationary | 0.54 | 1.51 | 1.38 | < 0.005 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | 277 |
| Total | 29.4 | 13.8 | 125 | 0.22 | 0.49 | 7.07 | 7.56 | 0.50 | 1.26 | 1.75 | 42,292 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.09 | 1.63 | 15.8 | 0.04 | 0.02 | 1.29 | 1.31 | 0.02 | 0.23 | 0.25 | 3,344 |
| Area | 3.16 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Energy | 0.03 | 0.55 | 0.47 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 3,317 |
| Water | — | — | — | — | — | — | — | — | — | — | 233 |
| Waste | — | — | — | — | — | — | — | — | — | — | 33.2 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | 5.60 |
| Stationary | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 5.37 | 2.52 | 22.8 | 0.04 | 0.09 | 1.29 | 1.38 | 0.09 | 0.23 | 0.32 | 7,002 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 2.29 | 0.71 | 0.01 | 0.02 | 0.30 | 0.32 | 0.02 | 0.08 | 0.10 | 1,228 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.09 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 46.2 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 7.65 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.14 | 0.19 | 2.06 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 360 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 2.29 | 0.71 | 0.01 | 0.02 | 0.30 | 0.32 | 0.02 | 0.08 | 0.10 | 1,228 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 13.8 |
| Vendor | 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 | 0.09 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 46.2 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 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 |
| Hauling | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 7.65 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 2.03 | 0.66 | 0.01 | 0.02 | 0.30 | 0.32 | 0.01 | 0.08 | 0.09 | 1,215 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.23 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | 134 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |
| Vendor | 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 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 22.2 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.16 | 1.90 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 353 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 2.03 | 0.66 | 0.01 | 0.02 | 0.30 | 0.32 | 0.01 | 0.08 | 0.09 | 1,215 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.02 | 0.22 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | 39.6 |
| Vendor | 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 | 0.23 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | 134 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 6.56 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 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 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 22.2 |

## 3.5. Grading (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.35 | 21.7 | 6.95 | 0.08 | 0.24 | 3.42 | 3.65 | 0.16 | 0.91 | 1.07 | 13,772 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.35 | 22.4 | 7.04 | 0.08 | 0.24 | 3.42 | 3.66 | 0.16 | 0.91 | 1.08 | 13,743 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.16 | 10.5 | 3.21 | 0.04 | 0.11 | 1.56 | 1.67 | 0.07 | 0.42 | 0.49 | 6,331 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.91 | 0.59 | 0.01 | 0.02 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | 1,048 |

## 3.6. Grading (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.46 | 6.67 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,123 |
| Vendor | 0.01 | 0.51 | 0.22 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 347 |
| Hauling | 0.35 | 21.7 | 6.95 | 0.08 | 0.24 | 3.42 | 3.65 | 0.16 | 0.91 | 1.07 | 13,772 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.39 | 0.49 | 5.69 | 0.00 | 0.00 | 0.98 | 0.98 | 0.00 | 0.23 | 0.23 | 1,060 |
| Vendor | 0.01 | 0.52 | 0.23 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | 346 |
| Hauling | 0.35 | 22.4 | 7.04 | 0.08 | 0.24 | 3.42 | 3.66 | 0.16 | 0.91 | 1.08 | 13,743 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.18 | 0.24 | 2.75 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | 496 |
| Vendor | 0.01 | 0.24 | 0.10 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 159 |
| Hauling | 0.16 | 10.5 | 3.21 | 0.04 | 0.11 | 1.56 | 1.67 | 0.07 | 0.42 | 0.49 | 6,331 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | 82.1 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 26.4 |
| Hauling | 0.03 | 1.91 | 0.59 | 0.01 | 0.02 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | 1,048 |

## 3.7. Building Construction (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.15 | 9.90 | 8.68 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | 1,685 |
| Onsite truck | 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 | 0.02 | 0.14 | 0.12 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.82 |
| Onsite truck | 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 | 0.13 | 0.15 | 2.22 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 374 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 4.92 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.81 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.15 | 9.90 | 8.68 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | 1,685 |
| Onsite truck | 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 | 0.02 | 0.14 | 0.12 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.82 |
| Onsite truck | 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 | 0.13 | 0.15 | 2.22 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.08 | 0.08 | 374 |
| Vendor | 0.46 | 24.0 | 8.60 | 0.09 | 0.24 | 3.39 | 3.62 | 0.16 | 0.91 | 1.06 | 13,992 |
| Hauling | 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 4.92 |
| Vendor | 0.01 | 0.34 | 0.12 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | 191 |
| Hauling | 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 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.81 |
| Vendor | < 0.005 | 0.06 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 31.7 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |
| Onsite truck | 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 | 1.84 | 16.5 | 17.3 | 0.03 | 0.69 | — | 0.69 | 0.63 | — | 0.63 | 3,012 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.50 | 4.49 | 4.70 | 0.01 | 0.19 | — | 0.19 | 0.17 | — | 0.17 | 821 |
| Onsite truck | 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 | 0.82 | 0.86 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 136 |
| Onsite truck | 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 | 0.93 | 1.07 | 15.6 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,619 |
| Vendor | 0.15 | 5.06 | 2.23 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,468 |
| Hauling | 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 | 0.91 | 1.15 | 13.3 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,472 |
| Vendor | 0.14 | 5.24 | 2.26 | 0.02 | 0.04 | 0.88 | 0.92 | 0.04 | 0.24 | 0.28 | 3,460 |
| Hauling | 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 | 0.25 | 0.33 | 3.80 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.14 | 0.14 | 685 |
| Vendor | 0.04 | 1.45 | 0.61 | 0.01 | 0.01 | 0.24 | 0.25 | 0.01 | 0.06 | 0.08 | 943 |
| Hauling | 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 | 0.06 | 0.69 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 113 |
| Vendor | 0.01 | 0.26 | 0.11 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | 156 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.72 | 15.4 | 16.8 | 0.03 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | 3,013 |
| Onsite truck | 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 | 0.12 | 1.12 | 1.22 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 219 |
| Onsite truck | 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 | 0.20 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 36.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 1.07 | 12.1 | 0.00 | 0.00 | 2.29 | 2.29 | 0.00 | 0.54 | 0.54 | 2,423 |
| Vendor | 0.12 | 4.16 | 2.03 | 0.02 | 0.04 | 0.86 | 0.90 | 0.04 | 0.24 | 0.28 | 3,410 |
| Hauling | 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 | 0.06 | 0.08 | 0.93 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | 179 |
| Vendor | 0.01 | 0.30 | 0.15 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | 248 |
| Hauling | 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 | 0.17 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | 29.7 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 41.1 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 2.35 | 2.62 | 40.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,331 |
| Vendor | 0.04 | 1.20 | 0.60 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,025 |
| Hauling | 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 | 2.32 | 3.06 | 34.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,923 |
| Vendor | 0.04 | 1.25 | 0.61 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,023 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 1.81 | 2.39 | 28.5 | 0.00 | 0.00 | 5.07 | 5.07 | 0.00 | 1.19 | 1.19 | 5,520 |
| Vendor | 0.03 | 0.98 | 0.47 | 0.01 | 0.01 | 0.20 | 0.21 | 0.01 | 0.06 | 0.07 | 803 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.33 | 0.44 | 5.20 | 0.00 | 0.00 | 0.93 | 0.93 | 0.00 | 0.22 | 0.22 | 914 |
| Vendor | 0.01 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 133 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 2.24 | 2.39 | 37.7 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 7,166 |
| Vendor | 0.03 | 1.14 | 0.56 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,011 |
| Hauling | 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 | 2.21 | 2.83 | 31.9 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,773 |
| Vendor | 0.03 | 1.18 | 0.57 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 1,009 |
| Hauling | 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 | 1.89 | 2.43 | 28.8 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 1.30 | 1.30 | 5,917 |
| Vendor | 0.03 | 1.03 | 0.49 | 0.01 | 0.01 | 0.22 | 0.23 | 0.01 | 0.06 | 0.07 | 868 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.34 | 0.44 | 5.26 | 0.00 | 0.00 | 1.01 | 1.01 | 0.00 | 0.24 | 0.24 | 980 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | 144 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.12 | 2.40 | 29.5 | 0.00 | 0.00 | 6.54 | 6.54 | 0.00 | 1.53 | 1.53 | 6,635 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.20 | 0.25 | 2.98 | 0.00 | 0.00 | 0.62 | 0.62 | 0.00 | 0.15 | 0.15 | 649 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | 95.7 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.05 | 0.54 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | 107 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 15.8 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.21 | 0.24 | 2.95 | 0.00 | 0.00 | 0.65 | 0.65 | 0.00 | 0.15 | 0.15 | 664 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.03 | 1.13 | 0.53 | 0.01 | 0.01 | 0.26 | 0.27 | 0.01 | 0.07 | 0.08 | 993 |
| Hauling | 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 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 49.9 |
| Vendor | < 0.005 | 0.08 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | 73.5 |
| Hauling | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | 8.25 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 12.2 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.73 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.78 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.73 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.78 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.61 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 2.61 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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

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

### 4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

## 4.2. Energy

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

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1,155 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,403 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1,155 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,403 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 2,076 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 191 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 448 |
| Total | — | — | — | — | — | — | — | — | — | — | 2,716 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1,155 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,403 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 12,540 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1,155 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 2,708 |
| Total | — | — | — | — | — | — | — | — | — | — | 16,403 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | — | — | — | — | — | — | — | — | — | — | 2,076 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 191 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 448 |
| Total | — | — | — | — | — | — | — | — | — | — | 2,716 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.03 | 0.53 | 0.45 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 636 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,632 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.03 | 0.53 | 0.45 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 636 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,632 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.03 | 0.46 | 0.38 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 496 |
| Quality Restaurant | 0.01 | 0.10 | 0.08 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 105 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.03 | 0.55 | 0.47 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 601 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.03 | 0.53 | 0.45 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 636 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,632 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.14 | 2.50 | 2.10 | 0.02 | 0.19 | — | 0.19 | 0.19 | — | 0.19 | 2,996 |
| Quality Restaurant | 0.03 | 0.53 | 0.45 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 636 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0.17 | 3.04 | 2.55 | 0.02 | 0.23 | — | 0.23 | 0.23 | — | 0.23 | 3,632 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | 0.03 | 0.46 | 0.38 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 496 |
| Quality Restaurant | 0.01 | 0.10 | 0.08 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 105 |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 |
| Total | 0.03 | 0.55 | 0.47 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 601 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.23 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 8.29 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Total | 19.9 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.23 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.6 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.89 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.22 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.04 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Total | 3.16 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |

### 4.3.1. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.23 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 8.29 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Total | 19.9 | 0.43 | 50.5 | < 0.005 | 0.07 | — | 0.07 | 0.09 | — | 0.09 | 209 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.23 | — | — | — | — | — | — | — | — | — | — |
| Total | 11.6 | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 1.89 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.22 | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.04 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |
| Total | 3.16 | 0.05 | 6.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.7 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,633 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 125 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,759 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,633 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 125 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,759 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Office Building | — | — | — | — | — | — | — | — | — | — | 270 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 20.8 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 291 |

### 4.4.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,307 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 100 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,407 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1,307 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 100 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 1,407 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 216 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 16.6 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 233 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 814 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 36.0 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 850 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 814 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 36.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 850 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 135 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 5.95 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 141 |

### 4.5.1. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 192 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 8.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 201 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 192 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 8.49 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 201 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 31.8 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.41 |
| Enclosed Parking with Elevator | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.2 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 32.7 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 32.7 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.19 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 5.41 |
| Total | — | — | — | — | — | — | — | — | — | — | 5.60 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 32.7 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 1.13 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 32.7 |
| Total | — | — | — | — | — | — | — | — | — | — | 33.8 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| General Office Building | — | — | — | — | — | — | — | — | — | — | 0.19 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 5.41 |
| Total | — | — | — | — | — | — | — | — | — | — | 5.60 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

### 4.8.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Total | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |
| Total | 0.10 | 0.28 | 0.25 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 45.8 |

## 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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)

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Building Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 8/1/2024 | 2/10/2025 | 6.00 | 166 | — |

## 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 | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 6.00 | 367 | 0.29 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |

### 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 | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 6.00 | 367 | 0.29 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 20.0 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 180 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Demolition | Hauling | 20.0 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 75.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 10.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 180 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 25.0 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 350 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 50.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 175 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 100 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Building Construction | — | — | — | — |
| Building Construction | Worker | 500 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 30.0 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 727,353 | 242,451 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 321,060 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 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 |
|---|---|---|
| General Office Building | 0.00 | 0% |
| Quality Restaurant | 0.00 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 3,534 | 3,534 | 3,534 | 1,289,910 | 25,389 | 25,389 | 25,389 | 9,266,985 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Total all Land Uses | 3,534 | 3,534 | 3,534 | 1,289,910 | 25,389 | 25,389 | 25,389 | 9,266,985 |

## 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 | 727,353 | 242,451 | — |

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

| | | | | | |
|---|---|---|---|---|---|
| General Office Building | 7,390,940 | 616 | 0.0489 | 0.0069 | 9,322,622 |
| Quality Restaurant | 680,780 | 616 | 0.0489 | 0.0069 | 1,980,039 |
| Enclosed Parking with Elevator | 1,596,301 | 616 | 0.0489 | 0.0069 | 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) |
|---|---|---|---|---|---|
| General Office Building | 7,390,940 | 616 | 0.0489 | 0.0069 | 9,322,622 |
| Quality Restaurant | 680,780 | 616 | 0.0489 | 0.0069 | 1,980,039 |
| Enclosed Parking with Elevator | 1,596,301 | 616 | 0.0489 | 0.0069 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Office Building | 82,468,459 | 311,037 |
| Quality Restaurant | 6,344,462 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| General Office Building | 65,974,767 | 248,830 |
| Quality Restaurant | 5,075,569 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 432 | 0.00 |
| Quality Restaurant | 19.1 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| General Office Building | 102 | 0.00 |
| Quality Restaurant | 4.50 | 0.00 |
| Enclosed Parking with Elevator | 0.00 | 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 |
|---|---|---|---|---|---|---|---|
| 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 |
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Quality Restaurant | 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 |
|---|---|---|---|---|---|---|---|
| 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 |
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Quality Restaurant | 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 |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 200 | 300 | 0.73 |

### 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |

| | |
|---|---|
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |

| | |
|---|---|
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |

| | |
|---|---|
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | Population from VMT Calculator<br>Adjustment for lot acreage |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | Adjustment for garage ventilation - see GHG parameters |

# 1360 Vine - Office with Restaurant Onsite Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2021) - Unmitigated

3.2. Demolition (2021) - Mitigated

3.3. Demolition (2022) - Unmitigated

3.4. Demolition (2022) - Mitigated

3.5. Grading (2022) - Unmitigated

3.6. Grading (2022) - Mitigated

3.7. Building Construction (2022) - Unmitigated

3.8. Building Construction (2022) - Mitigated

3.9. Building Construction (2022) - Unmitigated

3.10. Building Construction (2022) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2023) - Unmitigated

3.14. Building Construction (2023) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2025) - Unmitigated

3.18. Building Construction (2025) - Mitigated

3.19. Paving (2025) - Unmitigated

3.20. Paving (2025) - Mitigated

3.21. Architectural Coating (2024) - Unmitigated

3.22. Architectural Coating (2024) - Mitigated

3.23. Architectural Coating (2025) - Unmitigated

3.24. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

5.18. 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 | 1360 Vine - Office with Restaurant Onsite |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 1360 Vine St, Los Angeles, CA 90028, USA |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4351 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| General Office Building | 464 | 1000sqft | 1.80 | 464,000 | 22,178 | 0.00 | — | — |
| Quality Restaurant | 20.9 | 1000sqft | 0.00 | 20,902 | 0.00 | 0.00 | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Enclosed Parking with Elevator | 1,693 | Space | 0.00 | 677,200 | 0.00 | 0.00 | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 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. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.1 | 17.9 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.33 | 0.84 | 0.72 | 0.05 | 0.72 | 4,721 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 11.5 | 15.1 | 15.9 | 0.03 | 0.57 | 0.04 | 0.60 | 0.52 | 0.01 | 0.53 | 2,942 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.09 | 2.75 | 2.91 | 0.01 | 0.10 | 0.01 | 0.11 | 0.09 | < 0.005 | 0.10 | 487 |

### 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.1 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | 0.33 | 0.75 | 0.69 | 0.05 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.1 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 29.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.45 | 13.0 | 14.7 | 0.03 | 0.57 | 0.04 | 0.60 | 0.52 | 0.01 | 0.53 | 2,942 |
| 2023 | 1.79 | 15.1 | 15.8 | 0.03 | 0.56 | 0.00 | 0.56 | 0.52 | 0.00 | 0.52 | 2,678 |
| 2024 | 11.5 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 2.84 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.26 | 2.38 | 2.69 | 0.01 | 0.10 | 0.01 | 0.11 | 0.09 | < 0.005 | 0.10 | 487 |
| 2023 | 0.33 | 2.75 | 2.88 | 0.01 | 0.10 | 0.00 | 0.10 | 0.09 | 0.00 | 0.09 | 443 |
| 2024 | 2.09 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.52 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

## 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2022 | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | < 0.005 | 0.75 | 0.69 | < 0.005 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.1 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | 0.33 | 0.84 | 0.47 | 0.05 | 0.52 | 1,780 |
| 2022 | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | 0.33 | 0.75 | 0.69 | 0.05 | 0.69 | 4,222 |
| 2023 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | 0.00 | 0.67 | 0.62 | 0.00 | 0.62 | 3,149 |
| 2024 | 29.1 | 17.3 | 18.5 | 0.03 | 0.60 | 0.00 | 0.60 | 0.56 | 0.00 | 0.56 | 3,149 |
| 2025 | 29.7 | 23.1 | 28.5 | 0.05 | 0.78 | 0.00 | 0.78 | 0.72 | 0.00 | 0.72 | 4,721 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | 0.01 | 0.03 | 0.02 | < 0.005 | 0.02 | 66.9 |
| 2022 | 1.45 | 13.0 | 14.7 | 0.03 | 0.57 | 0.04 | 0.60 | 0.52 | 0.01 | 0.53 | 2,942 |
| 2023 | 1.79 | 15.1 | 15.8 | 0.03 | 0.56 | 0.00 | 0.56 | 0.52 | 0.00 | 0.52 | 2,678 |
| 2024 | 11.5 | 14.9 | 15.9 | 0.03 | 0.52 | 0.00 | 0.52 | 0.48 | 0.00 | 0.48 | 2,706 |
| 2025 | 2.84 | 2.08 | 2.52 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.06 | 0.00 | 0.06 | 419 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | 11.1 |
| 2022 | 0.26 | 2.38 | 2.69 | 0.01 | 0.10 | 0.01 | 0.11 | 0.09 | < 0.005 | 0.10 | 487 |
| 2023 | 0.33 | 2.75 | 2.88 | 0.01 | 0.10 | 0.00 | 0.10 | 0.09 | 0.00 | 0.09 | 443 |
| 2024 | 2.09 | 2.71 | 2.91 | 0.01 | 0.09 | 0.00 | 0.09 | 0.09 | 0.00 | 0.09 | 448 |
| 2025 | 0.52 | 0.38 | 0.46 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 69.5 |

# 3. Construction Emissions Details

## 3.1. Demolition (2021) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.2. Demolition (2021) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.20 | 9.80 | 11.9 | 0.02 | 0.51 | — | 0.51 | 0.47 | — | 0.47 | 1,780 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 66.9 |
| Demolition | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 11.1 |
| Demolition | — | — | — | — | — | < 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Demolition (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.4. Demolition (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.07 | 8.56 | 11.8 | 0.02 | 0.42 | — | 0.42 | 0.38 | — | 0.38 | 1,779 |
| Demolition | — | — | — | — | — | 0.33 | 0.33 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.94 | 1.30 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | 196 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.17 | 0.24 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 32.5 |
| Demolition | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.82 | 16.8 | 19.3 | 0.04 | 0.75 | — | 0.75 | 0.69 | — | 0.69 | 4,222 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 7.74 | 8.90 | 0.02 | 0.34 | — | 0.34 | 0.32 | — | 0.32 | 1,943 |
| 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 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.41 | 1.63 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | 322 |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.15 | 9.90 | 8.68 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | 1,685 |
| Onsite truck | 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 | 0.02 | 0.14 | 0.12 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.82 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.15 | 9.90 | 8.68 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | 1,685 |
| Onsite truck | 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 | 0.02 | 0.14 | 0.12 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 23.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 3.82 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.74 | 15.5 | 16.2 | 0.03 | 0.63 | — | 0.63 | 0.58 | — | 0.58 | 2,859 |
| Onsite truck | 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 | 1.74 | 15.5 | 16.2 | 0.03 | 0.63 | — | 0.63 | 0.58 | — | 0.58 | 2,859 |
| Onsite truck | 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 | 0.47 | 4.23 | 4.41 | 0.01 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | 779 |
| Onsite truck | 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 | 0.77 | 0.80 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 129 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2022) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.74 | 15.5 | 16.2 | 0.03 | 0.63 | — | 0.63 | 0.58 | — | 0.58 | 2,859 |
| Onsite truck | 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 | 1.74 | 15.5 | 16.2 | 0.03 | 0.63 | — | 0.63 | 0.58 | — | 0.58 | 2,859 |
| Onsite truck | 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 | 0.47 | 4.23 | 4.41 | 0.01 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | 779 |
| Onsite truck | 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 | 0.77 | 0.80 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | 129 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.62 | 14.5 | 15.8 | 0.03 | 0.55 | — | 0.55 | 0.50 | — | 0.50 | 2,860 |
| Onsite truck | 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 | 0.12 | 1.05 | 1.15 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.19 | 0.21 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 34.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.62 | 14.5 | 15.8 | 0.03 | 0.55 | — | 0.55 | 0.50 | — | 0.50 | 2,860 |
| Onsite truck | 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 | 0.12 | 1.05 | 1.15 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.19 | 0.21 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 34.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 (2023) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 2.13 | 17.9 | 18.7 | 0.03 | 0.67 | — | 0.67 | 0.62 | — | 0.62 | 3,149 |
| Onsite truck | 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 | 1.67 | 14.0 | 14.7 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,470 |
| Onsite truck | 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 | 0.31 | 2.56 | 2.67 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | 409 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 2.02 | 17.3 | 18.5 | 0.03 | 0.60 | — | 0.60 | 0.56 | — | 0.56 | 3,149 |
| Onsite truck | 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 | 1.74 | 14.9 | 15.9 | 0.03 | 0.52 | — | 0.52 | 0.48 | — | 0.48 | 2,706 |
| Onsite truck | 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 | 0.32 | 2.71 | 2.91 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | 448 |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Building Construction (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Building Construction (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.91 | 16.6 | 18.4 | 0.03 | 0.54 | — | 0.54 | 0.50 | — | 0.50 | 3,149 |
| Onsite truck | 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 | 0.18 | 1.60 | 1.77 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | 303 |
| Onsite truck | 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 | 0.29 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | 50.2 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.65 | 6.48 | 10.1 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | 1,572 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.48 | 0.75 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | 116 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.09 | 0.14 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 19.3 |
| Paving | 0.00 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2024) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.73 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.78 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2024) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.73 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.78 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2025) - Unmitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 2.61 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2025) - Mitigated

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

| Location | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 27.1 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.61 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.48 | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 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

## 4.10. 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | 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 | 12/16/2021 | 2/16/2022 | 6.00 | 54.0 | — |
| Grading | Grading | 2/17/2022 | 8/31/2022 | 6.00 | 168 | — |
| Mat Foundation | Building Construction | 9/1/2022 | 9/6/2022 | 6.00 | 5.00 | — |
| Building Foundation | Building Construction | 9/7/2022 | 1/31/2023 | 6.00 | 126 | — |
| Building Construction | Building Construction | 2/1/2023 | 2/10/2025 | 6.00 | 635 | — |
| Paving | Paving | 1/10/2025 | 2/10/2025 | 6.00 | 27.0 | — |
| Architectural Coating | Architectural Coating | 8/1/2024 | 2/10/2025 | 6.00 | 166 | — |

## 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 | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 6.00 | 367 | 0.29 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 1.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |

### 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 | Excavators | Diesel | Average | 1.00 | 8.00 | 158 | 0.38 |
| Demolition | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Bore/Drill Rigs | Diesel | Average | 1.00 | 8.00 | 221 | 0.50 |
| Mat Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Mat Foundation | Cranes | Diesel | Average | 1.00 | 6.00 | 367 | 0.29 |
| Mat Foundation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Mat Foundation | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 158 | 0.38 |
| Demolition | Air Compressors | Diesel | Average | 1.00 | 8.00 | 37.0 | 0.48 |
| Grading | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Grading | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Grading | Tractors/Loaders/Backh | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Grading | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Mat Foundation | Pumps | Diesel | Average | 4.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Cement and Mortar Mixers | Diesel | Average | 2.00 | 8.00 | 10.0 | 0.56 |
| Building Foundation | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Foundation | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Foundation | Forklifts | Diesel | Average | 1.00 | 8.00 | 82.0 | 0.20 |
| Building Foundation | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Foundation | Plate Compactors | Diesel | Average | 4.00 | 8.00 | 8.00 | 0.43 |
| Building Foundation | Rough Terrain Forklifts | Diesel | Average | 2.00 | 8.00 | 96.0 | 0.40 |
| Building Foundation | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Building Construction | Aerial Lifts | Diesel | Average | 3.00 | 8.00 | 46.0 | 0.31 |
| Building Construction | Air Compressors | Diesel | Average | 3.00 | 8.00 | 37.0 | 0.48 |
| Building Construction | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Building Construction | Concrete/Industrial Saws | Diesel | Average | 1.00 | 8.00 | 33.0 | 0.73 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Pumps | Diesel | Average | 1.00 | 8.00 | 11.0 | 0.74 |
| Building Construction | Plate Compactors | Diesel | Average | 2.00 | 8.00 | 8.00 | 0.43 |
| Building Construction | Welders | Diesel | Average | 2.00 | 8.00 | 46.0 | 0.45 |
| Paving | Cement and Mortar Mixers | Diesel | Average | 1.00 | 8.00 | 10.0 | 0.56 |
| Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Paving | Skid Steer Loaders | Diesel | Average | 2.00 | 8.00 | 71.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Paving | Tractors/Loaders/Backh | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Demolition | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 150 | 0.36 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 0.00 | 15.8 | HHDT |
| Demolition | Onsite truck | 0.00 | 0.00 | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Grading | Onsite truck | 0.00 | — | HHDT |
| Mat Foundation | — | — | — | — |
| Mat Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Mat Foundation | Vendor | 0.00 | 10.2 | HHDT |
| Mat Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Mat Foundation | Onsite truck | 0.00 | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | 0.00 | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | 0.00 | — | HHDT |
| Building Foundation | — | — | — | — |
| Building Foundation | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Foundation | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Foundation | Hauling | 0.00 | 20.0 | HHDT |
| Building Foundation | Onsite truck | 0.00 | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | 0.00 | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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 | 727,353 | 242,451 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 29,569 | — |
| Grading | — | 321,060 | 0.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

### 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 |
|---|---|---|
| General Office Building | 0.00 | 0% |

| | | |
|---|---|---|
| Quality Restaurant | 0.00 | 0% |
| Enclosed Parking with Elevator | 0.00 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2021 | 0.00 | 690 | 0.05 | 0.01 |
| 2022 | 0.00 | 690 | 0.05 | 0.01 |
| 2023 | 0.00 | 690 | 0.05 | 0.01 |
| 2024 | 0.00 | 690 | 0.05 | 0.01 |
| 2025 | 0.00 | 690 | 0.05 | 0.01 |

## 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 | 7.38 | annual days of extreme heat |
| Extreme Precipitation | 6.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | 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 | N/A | N/A | N/A | 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 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 | 59.7 |
| AQ-PM | 77.2 |
| AQ-DPM | 98.1 |
| Drinking Water | 92.5 |
| Lead Risk Housing | 68.0 |
| Pesticides | 0.00 |
| Toxic Releases | 72.2 |
| Traffic | 66.2 |
| Effect Indicators | — |
| CleanUp Sites | 77.0 |
| Groundwater | 73.5 |
| Haz Waste Facilities/Generators | 73.8 |
| Impaired Water Bodies | 0.00 |
| Solid Waste | 12.9 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 60.2 |
| Cardio-vascular | 54.9 |
| Low Birth Weights | 93.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.8 |
| Housing | 67.7 |
| Linguistic | 96.0 |
| Poverty | 95.1 |
| Unemployment | 98.4 |

## 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 | 7.160272039 |
| Employed | 33.54292314 |
| Median HI | 0.61593738 |
| Education | — |
| Bachelor's or higher | 59.70742974 |
| High school enrollment | 100 |
| Preschool enrollment | 95.7141024 |
| Transportation | — |
| Auto Access | 0.949570127 |
| Active commuting | 95.70127037 |
| Social | — |
| 2-parent households | 5.594764532 |

| | |
|---|---|
| Voting | 22.44321827 |
| Neighborhood | — |
| Alcohol availability | 4.516874118 |
| Park access | 81.35506224 |
| Retail density | 98.37033235 |
| Supermarket access | 94.25125112 |
| Tree canopy | 25.47157706 |
| Housing | — |
| Homeownership | 3.015526755 |
| Housing habitability | 16.14269216 |
| Low-inc homeowner severe housing cost burden | 14.65417683 |
| Low-inc renter severe housing cost burden | 54.95957911 |
| Uncrowded housing | 24.00872578 |
| Health Outcomes | — |
| Insured adults | 31.56679071 |
| Arthritis | 18.8 |
| Asthma ER Admissions | 42.0 |
| High Blood Pressure | 13.8 |
| Cancer (excluding skin) | 32.7 |
| Asthma | 32.2 |
| Coronary Heart Disease | 4.7 |
| Chronic Obstructive Pulmonary Disease | 9.6 |
| Diagnosed Diabetes | 15.4 |
| Life Expectancy at Birth | 83.7 |
| Cognitively Disabled | 41.3 |
| Physically  Disabled | 21.0 |
| Heart Attack ER Admissions | 47.6 |

| | |
|---|---|
| Mental Health Not Good | 27.8 |
| Chronic Kidney Disease | 10.6 |
| Obesity | 27.3 |
| Pedestrian Injuries | 65.9 |
| Physical Health Not Good | 17.0 |
| Stroke | 7.6 |
| Health Risk Behaviors | — |
| Binge Drinking | 75.2 |
| Current Smoker | 28.0 |
| No Leisure Time for Physical Activity | 27.1 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 88.7 |
| Elderly | 8.1 |
| English Speaking | 1.3 |
| Foreign-born | 95.9 |
| Outdoor Workers | 54.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 5.6 |
| Traffic Density | 86.9 |
| Traffic Access | 87.4 |
| Other Indices | — |
| Hardship | 79.2 |
| Other Decision Support | — |
| 2016 Voting | 11.9 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 95.0 |
| Healthy Places Index Score for Project Location (b) | 18.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | 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 |
|---|---|
| Characteristics: Utility Information | Carbon Intensity for 2025 |
| Land Use | Population from VMT Calculator<br>Adjustment for lot acreage |
| Construction: Construction Phases | see construction assumptions |
| Construction: Off-Road Equipment | see construction assumptions |
| Construction: Trips and VMT | see construction assumptions |
| Operations: Hearths | No Hearths |
| Operations: Energy Use | Adjustment for garage ventilation - see GHG parameters |