

U.S. Dept. of Agriculture

Rural Utilities Service

Environmental Assessment

APPENDIX E

AIR QUALITY



**U.S. Department of Agriculture
Rural Utilities Service (RUS)**

MEMORANDUM

To: Dave Weisman, Avellana Properties Incorporated

From: Ace Malisos
Elena Ajdari
Kimley-Horn and Associates, Inc.

Date: September 12, 2022

Subject: Avellana Senior Wellness Community, San Bernardino County – Air Quality and Greenhouse Gas Emissions

Purpose

The purpose of this memorandum is to identify the air quality and greenhouse gas (GHG) emissions associated with construction and operations of the proposed Senior Wellness Community Project (project), located in unincorporated San Bernardino County, California.

Project Description

The project proposes to construct a residential senior community park with a clubhouse, convenience store, utility parcel, and on-site medical clinic and accommodates 399 units of mobile homes. The target residents would be in the age range of 62 to 78. The project site is approximately 45 acre (APN: 0436-015-13) and each mobile home unit would be 940 square feet with two bedrooms and two bathrooms. The project would also install its own water/wastewater treatment facility and provides 100 percent of the community's water demand. Wastewater would be treated and goes into a pond to recharge the aquifer or be used for landscaping and would not leave the property. There would be no natural gas usage on the project site. The utility parcel land (APN: 0436-015-35) would be located south of the project site and occupies approximately 4.72 acres. The project would build a 2-megawatt (MW) solar power station onsite to supply 100 percent of the required electricity for the community. All of the project's electricity demand would be served by Avellana Power Rural Electrical Cooperative, which would provide renewable solar power to the site.

The home units would be manufactured and delivered ready to set down and the only on-site construction would be related to clubhouse (6,000 square feet [SF]), roads, and community amenities. The project site is empty, and no demolition would be required. The construction time frame is anticipated to be approximately 10 months. The property is flat and no soil import/export is required.

The project site is located south of the merge-point of Bear Valley Road and California State Route 18 highway (SR-18). The community entrance is about 2,500 feet west of SR-18 on Bear valley Road. The project site plan is provided on **Figure 1: Site Plan**.

Air Quality Impacts

MDAQMD Mass Emission Thresholds

MDAQMD’s significance criteria are used to make the above determinations. According to the MDAQMD, an air quality impact is considered significant if a project would violate any NAAQS or CAAQS, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The MDAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in **Table 1: Mojave Desert Air Quality Management District Emissions Thresholds**. These mass emissions thresholds are pollutant limits described in pounds per day and tons per year. The project emissions are quantified using CalEEMod software and compared to the MDAQMD’s thresholds.

| Table 1: Mojave Desert Air Quality Management District Emissions Thresholds | | |
|--|---------------------------------|----------------------------------|
| Pollutants | Annual Thresholds (tons) | Daily Thresholds (pounds) |
| Greenhouse Gases (CO _{2e}) ¹ | 100,000 | 548,000 |
| Carbon Monoxide (CO) | 100 | 548 |
| Nitrogen Oxides (NO _x) | 25 | 137 |
| Volatile Organic Compounds (VOC) | 25 | 137 |
| Sulfur Oxides (SO _x) | 25 | 137 |
| Coarse Particulates (PM ₁₀) | 15 | 82 |
| Fine Particulates (PM _{2.5}) | 12 | 65 |
| Note: 1. The project site is located in an unincorporated section of the San Bernardino County and therefore the threshold of 3,000 MTCO _{2e} /year has been considered for this analysis in accordance with San Bernardino County GHG Emissions Reduction Plan. | | |
| <i>Source: Mojave Desert Air Quality Management District, MDAQMD CEQA and Federal Conformity Guidelines, April 2016.</i> | | |

A significant project impact must incorporate mitigation sufficient to reduce its impact to a level that is not significant. A project that cannot be mitigated to a level that is not significant must incorporate all feasible mitigation. The emission thresholds are given as a daily value and an annual value, so that multi-phased project (such as a project with a construction phase and a separate operational phase) with phases shorter than one year can be compared to the daily value.

Construction Emissions

Construction associated with the proposed project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO_x), PM₁₀, and PM_{2.5}. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be

considered a significant air quality impact if the volume of pollutants generated exceeds the MDAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from, site preparation, grading, construction, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

The duration of construction activities for the project is estimated to be approximately 10 months, beginning in June 2021. Construction is conservatively assumed to occur in 2021, as delaying the start of construction would only likely reduce emissions as emission control technology will improve in the future.¹ The project would construct a clubhouse, roads, and community amenities for accommodating the mobile home units. Construction-generated emissions associated with the proposed project were calculated using the CARB-approved California Emissions Estimator Model version 2022 (CalEEMod), which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A (Air Quality and GHG Data) for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the proposed project are identified in **Table 2: Project Construction Emissions**.

Table 2 shows that construction pollutant emissions would remain below their respective thresholds with implementation of required MDAQMD Rule 403.2. The project would also be required to comply with MDAQMD Rules 402 and 1113, which prohibit nuisances and limit VOC content in paints, respectively. Compliance with MDAQMD rules 402 and 1113 would further reduce specific construction-related emissions. As shown above, all criteria pollutant emissions would remain below their respective thresholds and impacts would be less than significant.

¹ Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover). Specifically, project construction was modeled to start in 2021 but would commence at a later date. As such, construction impacts would be less than those analyzed due to the use of more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to state regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, Project-related construction air quality impacts would be lower than the impacts disclosed herein. For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date (i.e., 2021), provides for a worst-case analysis and full disclosure of potential air quality impacts, as required by CEQA.

| Construction Year | Emissions (pounds per day) ¹ | | | | | |
|--|---|-----------------|-----------|-----------------|------------------|-------------------|
| | ROG | NO _x | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
| 2021 | 4.51 | 46.30 | 60.1 | 0.06 | 10.00 | 5.97 |
| 2022 | 85.2 | 21.00 | 49.01 | 0.04 | 7.39 | 2.26 |
| MDAQMD Threshold | n/a | 137 | 548 | 137 | 82 | 65 |
| MDAQMD Threshold Exceeded? | n/a | No | No | No | No | No |
| Notes: | | | | | | |
| 1. MDAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; replace ground cover of area disturbed; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the South Coast Air Quality Management District (SCAQMD) CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs. | | | | | | |
| Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs. | | | | | | |

Operational Emissions

Operational emissions are typically associated with mobile sources (i.e., motor vehicle use) and area sources (such as the use of landscape maintenance equipment, hearths, consumer products, and architectural coatings). Energy source emissions would be generated from electricity and natural gas (non-hearth) usage. **Table 3: Operational Emissions** summarizes the operational emissions attributable to the proposed project. As shown in **Table 3**, the project’s emissions would not exceed MDAQMD thresholds. Therefore, regional operations emissions would result in a less than significant long-term regional air quality impact.

| Source | Emissions (pounds per day) ¹ | | | | | |
|--|---|-----------------|-------------|-----------------|------------------|-------------------|
| | ROG | NO _x | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
| Project Emissions | | | | | | |
| Area ² | 35.40 | 0.32 | 32.3 | <0.01 | 0.02 | 0.03 |
| Energy ³ | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobile | 8.92 | 10.10 | 62.90 | 0.16 | 4.91 | 0.97 |
| Total | 44.32 | 10.42 | 95.2 | 0.16 | 4.93 | 1 |
| MDAQMD Threshold | n/a | 137 | 548 | 137 | 82 | 65 |
| MDAQMD Threshold Exceeded? | n/a | No | No | No | No | No |
| Notes: | | | | | | |
| 1. Emissions were calculated using the California Emissions Estimator Model version 2022 (CalEEMod), as recommended by the County. Worst-case seasonal maximum daily emissions are reported. | | | | | | |
| 2. The proposed mobile home units would not include any kind of fireplaces. | | | | | | |
| 3. The project would generate and supply 100 percent of the required energy through the proposed solar power station on-site. | | | | | | |

Carbon Monoxide Hotspots

An analysis of CO “hot spots” is needed to determine whether the change in the level of service (LOS) of an intersection from the proposed project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. MDAQMD has not established CO hotspot methodology. However, according to the Traffic Impact Analysis (Avellana Senior Living Mobile Homes) prepared by TJW Engineering Inc. (January 2022), the project would generate a total of 1,385 daily vehicle trips, which would not cause an intersection to operate at an unacceptable LOS.

Additionally, the 2003 *Air Quality Management Plan* is the most recent AQMP that addresses CO concentrations. As part of the SCAQMD CO Hotspot analysis, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. The proposed project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD’s 2003 CO hot-spot analysis. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections from 1,385 total daily vehicle trips² attributable to the project. Therefore, impacts would be less than significant in this regard.

Greenhouse Gas Emissions

The project would include direct and indirect GHG emissions from project construction and operations. Construction is considered a direct source since these emissions occur at the site. Direct operational-related GHG emissions for the proposed project would include emissions from area and mobile sources, while indirect emissions are from solid waste. The project would not include emissions from energy generate generation or water supply and treatment as it would supply 100 percent of the required energy through the proposed on-site solar power station.

² Based on the Scope for Traffic Study (Avellana Senior Living Mobile Homes) prepared by TJW Engineering Inc., January 2022.

Construction GHG Emissions

Construction of the project would result in direct emissions of CO₂, N₂O, and CH₄ from construction equipment and the transport of materials and construction workers to and from the project site. Construction GHG emissions are typically summed and amortized over the lifetime of the project (assumed to be 30 years), then added to the operational emissions.³ Total GHG emissions generated during all phases of construction were combined and are presented in **Table 4: Construction Greenhouse Gas Emissions**. The CalEEMod outputs are contained within Appendix A (Air Quality and GHG Data). As shown in **Table 4**, the project construction would result in 991 MTCO₂e (approximately 33 MTCO₂e/year when amortized over 30 years).

| Table 4: Construction Greenhouse Gas Emissions | |
|---|-----------------------------------|
| Construction | MTCO₂e per Year |
| 2021 Construction | 689 |
| 2022 Construction | 302 |
| <i>Total Construction Emissions</i> | 991 |
| 30-Year Amortized Construction | 33 |
| Source: CalEEMod version 2022 Refer to Appendix A for model data outputs. | |

Operational GHG Emissions

Operational or long-term emissions occur over the life of the proposed project. For this project, GHG emissions would result from direct emissions such as project generated vehicular traffic and operation of any on-site landscaping equipment. Operational GHG emissions would also result from indirect sources, such as the emissions associated with solid waste generated from the project site and any fugitive refrigerants from air conditioning or refrigerators. **Table 5: Total Project Greenhouse Gas Emissions** summarizes the total GHG emissions associated with the proposed project. As shown, the project would generate approximately 2,847 MTCO₂e/year. The project would not result in an increase in GHG emissions that exceed the County’s GHG Emissions Reduction Plan (GHG Plan) review standard of 3,000 MTCO₂e/yr. Projects that do not exceed 3,000 MTCO₂e per year are considered to be consistent with the County’s GHG Plan and determined to have a less than significant individual and cumulative impact for GHG emissions. Therefore, project-related GHG emissions would be less than significant.

³ The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, August 26, 2009).

| Table 5: Total Project Greenhouse Gas Emissions | |
|---|-----------------------------------|
| Emissions Source | MTCO₂e per Year |
| Construction Amortized over 30 Years | 33 |
| Area Source | 8 |
| Energy ¹ | 0 |
| Mobile | 2,528 |
| Waste | 148 |
| Water & Wastewater ¹ | 0 |
| Refrigeration | 130 |
| Total Project Emissions ² | 2,847 |
| San Bernardino GHG Reduction Plan Threshold | 3,000 |
| Threshold Exceeded? | No |
| Notes: | |
| 1. The project would supply 100 percent of its required energy through an on-site solar power station. Furthermore, 100 percent of the water/wastewater would be treated onsite and would not leave the property. | |
| 2. Totals may be slightly off due to rounding. | |
| Source: CalEEMod version 2022 Refer to Appendix A for model data outputs. | |

Conclusion

Project implementation would result in less than significant short- and long-term air quality and GHG impacts. No mitigation measures would be required.

Appendix A

Air Quality and GHG Data

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

| Data Field | Value |
|-----------------------------|---|
| Project Name | Senior Wellness Community in Apple Valley - San Bernardino County |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 5.00 |
| Precipitation (days) | 12.8 |
| Location | 34.47058705117955, -117.12781599116164 |
| County | San Bernardino-Mojave Desert |
| City | — |
| Air District | Mojave Desert AQMD |
| Air Basin | Mojave Desert |
| TAZ | 5114 |
| EDFZ | 10 |
| Electric Utility | User Defined |
| Gas Utility | User Defined |

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 |
|------------------------|------|---------------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Mobile Home Park | 399 | Dwelling Unit | 26.2 | 1,142,406 | 0.00 | — | 798 | — |
| General Heavy Industry | 206 | 1000sqft | 4.72 | 205,600 | 0.00 | — | — | — |

| | | | | | | | | |
|------------------------------|------|----------|------|--------|------|---|---|---|
| Convenience Market (24 hour) | 3.50 | 1000sqft | 3.38 | 3,500 | 0.00 | — | — | — |
| Medical Office Building | 5.00 | 1000sqft | 0.12 | 5,000 | 0.00 | — | — | — |
| Health Club | 11.7 | 1000sqft | 0.27 | 11,700 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 449 | 1000sqft | 10.3 | 0.00 | 0.00 | — | — | — |

1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|----------------|--------|--|
| Construction | C-10-C | Water Unpaved Construction Roads |
| Construction | C-11 | Limit Vehicle Speeds on Unpaved Roads |
| Construction | C-12 | Sweep Paved Roads |
| Transportation | T-4 | Integrate Affordable and Below Market Rate Housing |

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.36 | 4.51 | 46.3 | 60.1 | 0.06 | 2.14 | 7.89 | 10.0 | 1.97 | 3.99 | 5.97 | — | 11,103 | 11,103 | 0.37 | 0.57 | 35.7 | 11,317 |
| Mit. | 5.36 | 4.51 | 46.3 | 60.1 | 0.06 | 2.14 | 7.89 | 10.0 | 1.97 | 3.99 | 5.97 | — | 11,103 | 11,103 | 0.37 | 0.57 | 35.7 | 11,317 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.95 | 85.2 | 22.0 | 49.1 | 0.04 | 0.84 | 6.66 | 7.39 | 0.77 | 1.59 | 2.26 | — | 11,465 | 11,465 | 0.42 | 0.61 | 1.00 | 11,658 |
| Mit. | 4.95 | 85.2 | 22.0 | 49.1 | 0.04 | 0.84 | 6.66 | 7.39 | 0.77 | 1.59 | 2.26 | — | 11,465 | 11,465 | 0.42 | 0.61 | 1.00 | 11,658 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.99 | 14.9 | 11.4 | 19.6 | 0.02 | 0.45 | 2.27 | 2.73 | 0.42 | 0.62 | 1.04 | — | 4,096 | 4,096 | 0.15 | 0.20 | 5.20 | 4,163 |
| Mit. | 1.99 | 14.9 | 11.4 | 19.6 | 0.02 | 0.45 | 2.27 | 2.73 | 0.42 | 0.62 | 1.04 | — | 4,096 | 4,096 | 0.15 | 0.20 | 5.20 | 4,163 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.36 | 2.72 | 2.08 | 3.57 | < 0.005 | 0.08 | 0.41 | 0.50 | 0.08 | 0.11 | 0.19 | — | 678 | 678 | 0.03 | 0.03 | 0.86 | 689 |
| Mit. | 0.36 | 2.72 | 2.08 | 3.57 | < 0.005 | 0.08 | 0.41 | 0.50 | 0.08 | 0.11 | 0.19 | — | 678 | 678 | 0.03 | 0.03 | 0.86 | 689 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

2.2. Construction Emissions by Year, Unmitigated

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

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 5.36 | 4.51 | 46.3 | 60.1 | 0.06 | 2.14 | 7.89 | 10.0 | 1.97 | 3.99 | 5.97 | — | 11,103 | 11,103 | 0.37 | 0.57 | 35.7 | 11,317 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 4.58 | 4.03 | 22.0 | 45.8 | 0.04 | 0.84 | 5.67 | 6.50 | 0.77 | 1.36 | 2.13 | — | 10,400 | 10,400 | 0.39 | 0.57 | 0.92 | 10,580 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------|------|------|------|------|---------|------|------|------|------|------|------|---|--------|--------|------|------|------|--------|
| 2022 | 4.95 | 85.2 | 21.0 | 49.1 | 0.04 | 0.73 | 6.66 | 7.39 | 0.67 | 1.59 | 2.26 | — | 11,465 | 11,465 | 0.42 | 0.61 | 1.00 | 11,658 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.99 | 1.74 | 11.4 | 19.6 | 0.02 | 0.45 | 2.27 | 2.73 | 0.42 | 0.62 | 1.04 | — | 4,096 | 4,096 | 0.15 | 0.20 | 5.20 | 4,163 |
| 2022 | 0.78 | 14.9 | 3.39 | 8.30 | 0.01 | 0.12 | 1.00 | 1.12 | 0.11 | 0.24 | 0.35 | — | 1,792 | 1,792 | 0.06 | 0.09 | 2.53 | 1,823 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.36 | 0.32 | 2.08 | 3.57 | < 0.005 | 0.08 | 0.41 | 0.50 | 0.08 | 0.11 | 0.19 | — | 678 | 678 | 0.03 | 0.03 | 0.86 | 689 |
| 2022 | 0.14 | 2.72 | 0.62 | 1.52 | < 0.005 | 0.02 | 0.18 | 0.21 | 0.02 | 0.04 | 0.06 | — | 297 | 297 | 0.01 | 0.02 | 0.42 | 302 |

2.3. Construction Emissions by Year, Mitigated

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

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 5.36 | 4.51 | 46.3 | 60.1 | 0.06 | 2.14 | 7.89 | 10.0 | 1.97 | 3.99 | 5.97 | — | 11,103 | 11,103 | 0.37 | 0.57 | 35.7 | 11,317 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 4.58 | 4.03 | 22.0 | 45.8 | 0.04 | 0.84 | 5.67 | 6.50 | 0.77 | 1.36 | 2.13 | — | 10,400 | 10,400 | 0.39 | 0.57 | 0.92 | 10,580 |
| 2022 | 4.95 | 85.2 | 21.0 | 49.1 | 0.04 | 0.73 | 6.66 | 7.39 | 0.67 | 1.59 | 2.26 | — | 11,465 | 11,465 | 0.42 | 0.61 | 1.00 | 11,658 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 1.99 | 1.74 | 11.4 | 19.6 | 0.02 | 0.45 | 2.27 | 2.73 | 0.42 | 0.62 | 1.04 | — | 4,096 | 4,096 | 0.15 | 0.20 | 5.20 | 4,163 |
| 2022 | 0.78 | 14.9 | 3.39 | 8.30 | 0.01 | 0.12 | 1.00 | 1.12 | 0.11 | 0.24 | 0.35 | — | 1,792 | 1,792 | 0.06 | 0.09 | 2.53 | 1,823 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2021 | 0.36 | 0.32 | 2.08 | 3.57 | < 0.005 | 0.08 | 0.41 | 0.50 | 0.08 | 0.11 | 0.19 | — | 678 | 678 | 0.03 | 0.03 | 0.86 | 689 |
| 2022 | 0.14 | 2.72 | 0.62 | 1.52 | < 0.005 | 0.02 | 0.18 | 0.21 | 0.02 | 0.04 | 0.06 | — | 297 | 297 | 0.01 | 0.02 | 0.42 | 302 |

2.4. Operations Emissions Compared Against Thresholds

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

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|-----|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13.7 | 44.3 | 9.68 | 115 | 0.16 | 0.16 | 4.77 | 4.93 | 0.16 | 0.84 | 1.00 | 256 | 16,211 | 16,467 | 26.2 | 0.71 | 860 | 18,195 |
| Mit. | 13.7 | 44.3 | 9.68 | 115 | 0.16 | 0.16 | 4.77 | 4.93 | 0.16 | 0.84 | 1.00 | 256 | 16,211 | 16,467 | 26.2 | 0.71 | 860 | 18,195 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 8.41 | 39.3 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | 256 | 14,666 | 14,922 | 26.3 | 0.74 | 789 | 16,589 |
| Mit. | 8.41 | 39.3 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | 256 | 14,666 | 14,922 | 26.3 | 0.74 | 789 | 16,589 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 10.5 | 41.3 | 10.6 | 84.4 | 0.15 | 0.15 | 4.77 | 4.92 | 0.14 | 0.84 | 0.98 | 256 | 15,046 | 15,302 | 26.3 | 0.75 | 819 | 17,002 |
| Mit. | 10.5 | 41.3 | 10.6 | 84.4 | 0.15 | 0.15 | 4.77 | 4.92 | 0.14 | 0.84 | 0.98 | 256 | 15,046 | 15,302 | 26.3 | 0.75 | 819 | 17,002 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.92 | 7.53 | 1.93 | 15.4 | 0.03 | 0.03 | 0.87 | 0.90 | 0.03 | 0.15 | 0.18 | 42.4 | 2,491 | 2,533 | 4.35 | 0.12 | 136 | 2,815 |
| Mit. | 1.92 | 7.53 | 1.93 | 15.4 | 0.03 | 0.03 | 0.87 | 0.90 | 0.03 | 0.15 | 0.18 | 42.4 | 2,491 | 2,533 | 4.35 | 0.12 | 136 | 2,815 |
| % 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|--------|--------|---------|---------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.65 | 8.92 | 9.37 | 82.3 | 0.16 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 16,110 | 16,110 | 0.63 | 0.71 | 72.3 | 16,410 |
| Area | 4.03 | 35.4 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 0.00 | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 13.7 | 44.3 | 9.68 | 115 | 0.16 | 0.16 | 4.77 | 4.93 | 0.16 | 0.84 | 1.00 | 256 | 16,211 | 16,467 | 26.2 | 0.71 | 860 | 18,195 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.41 | 7.69 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 14,666 | 14,666 | 0.65 | 0.74 | 1.87 | 14,905 |
| Area | 0.00 | 31.6 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 8.41 | 39.3 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | 256 | 14,666 | 14,922 | 26.3 | 0.74 | 789 | 16,589 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.51 | 7.79 | 10.4 | 68.5 | 0.15 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 14,996 | 14,996 | 0.66 | 0.75 | 31.2 | 15,268 |
| Area | 1.99 | 33.5 | 0.16 | 15.9 | < 0.005 | 0.01 | — | 0.01 | 0.02 | — | 0.02 | 0.00 | 49.8 | 49.8 | < 0.005 | < 0.005 | — | 49.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 10.5 | 41.3 | 10.6 | 84.4 | 0.15 | 0.15 | 4.77 | 4.92 | 0.14 | 0.84 | 0.98 | 256 | 15,046 | 15,302 | 26.3 | 0.75 | 819 | 17,002 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.55 | 1.42 | 1.90 | 12.5 | 0.03 | 0.02 | 0.87 | 0.90 | 0.02 | 0.15 | 0.18 | — | 2,483 | 2,483 | 0.11 | 0.12 | 5.17 | 2,528 |
| Area | 0.36 | 6.11 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 42.4 | 0.00 | 42.4 | 4.24 | 0.00 | — | 148 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 130 | 130 |
| Total | 1.92 | 7.53 | 1.93 | 15.4 | 0.03 | 0.03 | 0.87 | 0.90 | 0.03 | 0.15 | 0.18 | 42.4 | 2,491 | 2,533 | 4.35 | 0.12 | 136 | 2,815 |

2.6. Operations Emissions by Sector, Mitigated

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

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|--------|--------|---------|---------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.65 | 8.92 | 9.37 | 82.3 | 0.16 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 16,110 | 16,110 | 0.63 | 0.71 | 72.3 | 16,410 |
| Area | 4.03 | 35.4 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 0.00 | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 13.7 | 44.3 | 9.68 | 115 | 0.16 | 0.16 | 4.77 | 4.93 | 0.16 | 0.84 | 1.00 | 256 | 16,211 | 16,467 | 26.2 | 0.71 | 860 | 18,195 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.41 | 7.69 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 14,666 | 14,666 | 0.65 | 0.74 | 1.87 | 14,905 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|------|--------|--------|---------|---------|------|--------|
| Area | 0.00 | 31.6 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 8.41 | 39.3 | 10.1 | 62.9 | 0.14 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | 256 | 14,666 | 14,922 | 26.3 | 0.74 | 789 | 16,589 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.51 | 7.79 | 10.4 | 68.5 | 0.15 | 0.14 | 4.77 | 4.91 | 0.13 | 0.84 | 0.97 | — | 14,996 | 14,996 | 0.66 | 0.75 | 31.2 | 15,268 |
| Area | 1.99 | 33.5 | 0.16 | 15.9 | < 0.005 | 0.01 | — | 0.01 | 0.02 | — | 0.02 | 0.00 | 49.8 | 49.8 | < 0.005 | < 0.005 | — | 49.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Total | 10.5 | 41.3 | 10.6 | 84.4 | 0.15 | 0.15 | 4.77 | 4.92 | 0.14 | 0.84 | 0.98 | 256 | 15,046 | 15,302 | 26.3 | 0.75 | 819 | 17,002 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.55 | 1.42 | 1.90 | 12.5 | 0.03 | 0.02 | 0.87 | 0.90 | 0.02 | 0.15 | 0.18 | — | 2,483 | 2,483 | 0.11 | 0.12 | 5.17 | 2,528 |
| Area | 0.36 | 6.11 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 42.4 | 0.00 | 42.4 | 4.24 | 0.00 | — | 148 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 130 | 130 |
| Total | 1.92 | 7.53 | 1.93 | 15.4 | 0.03 | 0.03 | 0.87 | 0.90 | 0.03 | 0.15 | 0.18 | 42.4 | 2,491 | 2,533 | 4.35 | 0.12 | 136 | 2,815 |

3. Construction Emissions Details

3.1. Site Preparation (2021) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 5.22 | 4.39 | 46.1 | 37.6 | 0.05 | 2.14 | — | 2.14 | 1.97 | — | 1.97 | — | 5,286 | 5,286 | 0.21 | 0.04 | — | 5,304 |
| Dust From Material Movemen | — | — | — | — | — | — | 7.67 | 7.67 | — | 3.94 | 3.94 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.09 | 0.07 | 0.76 | 0.62 | < 0.005 | 0.04 | — | 0.04 | 0.03 | — | 0.03 | — | 86.9 | 86.9 | < 0.005 | < 0.005 | — | 87.2 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.13 | 0.13 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.02 | 0.01 | 0.14 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | — | 14.4 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.02 | 0.02 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|------|------|------|------|------|---------|---------|---------|------|------|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.12 | 0.13 | 2.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 277 | 277 | 0.01 | 0.01 | 1.32 | 281 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 4.14 | 4.14 | < 0.005 | < 0.005 | 0.01 | 4.20 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 0.69 | 0.69 | < 0.005 | < 0.005 | < 0.005 | 0.70 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

3.2. Site Preparation (2021) - Mitigated

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

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|----------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipmen | 5.22 | 4.39 | 46.1 | 37.6 | 0.05 | 2.14 | — | 2.14 | 1.97 | — | 1.97 | — | 5,286 | 5,286 | 0.21 | 0.04 | — | 5,304 |
| Dust From Material Movemen | — | — | — | — | — | — | 7.67 | 7.67 | — | 3.94 | 3.94 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.09 | 0.07 | 0.76 | 0.62 | < 0.005 | 0.04 | — | 0.04 | 0.03 | — | 0.03 | — | 86.9 | 86.9 | < 0.005 | < 0.005 | — | 87.2 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.13 | 0.13 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.02 | 0.01 | 0.14 | 0.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | — | 14.4 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.02 | 0.02 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.14 | 0.12 | 0.13 | 2.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 277 | 277 | 0.01 | 0.01 | 1.32 | 281 |

| | | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|---------|---------|------|------|---------|---------|------|------|------|------|------|------|---------|---------|---------|------|------|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 4.14 | 4.14 | < 0.005 | < 0.005 | 0.01 | 4.20 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 0.69 | 0.69 | < 0.005 | < 0.005 | < 0.005 | 0.70 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

3.3. Grading (2021) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 5.18 | 4.36 | 46.1 | 34.1 | 0.06 | 2.02 | — | 2.02 | 1.86 | — | 1.86 | — | 6,591 | 6,591 | 0.27 | 0.05 | — | 6,613 |
| Dust From Material Movemen | — | — | — | — | — | — | 3.59 | 3.59 | — | 1.42 | 1.42 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|----------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.36 | 0.30 | 3.16 | 2.33 | < 0.005 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 451 | 451 | 0.02 | < 0.005 | — | 453 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.25 | 0.25 | — | 0.10 | 0.10 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.06 | 0.05 | 0.58 | 0.43 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 74.7 | 74.7 | < 0.005 | < 0.005 | — | 75.0 |
| Dust From Material Movemen | — | — | — | — | — | — | 0.04 | 0.04 | — | 0.02 | 0.02 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.16 | 0.14 | 0.15 | 2.32 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | — | 317 | 317 | 0.01 | 0.01 | 1.50 | 321 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---------|---------|---------|---------|------|------|------|---------|---------|------|------|------|---|------|------|---------|---------|------|------|
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.04 | 20.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 3.27 | 3.27 | < 0.005 | < 0.005 | 0.01 | 3.31 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.4. Grading (2021) - Mitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 5.18 | 4.36 | 46.1 | 34.1 | 0.06 | 2.02 | — | 2.02 | 1.86 | — | 1.86 | — | 6,591 | 6,591 | 0.27 | 0.05 | — | 6,613 |
| Dust From Material Movemen | — | — | — | — | — | — | 3.59 | 3.59 | — | 1.42 | 1.42 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.36 | 0.30 | 3.16 | 2.33 | < 0.005 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 451 | 451 | 0.02 | < 0.005 | — | 453 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | | |
|----------------------------|---------|---------|---------|------|---------|------|---------|---------|------|------|------|------|------|------|---------|---------|------|------|------|
| Dust From Material Movemen | — | — | — | — | — | — | 0.25 | 0.25 | — | 0.10 | 0.10 | — | — | — | — | — | — | — | |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Off-Road Equipmen | 0.06 | 0.05 | 0.58 | 0.43 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 74.7 | 74.7 | < 0.005 | < 0.005 | — | 75.0 | |
| Dust From Material Movemen | — | — | — | — | — | — | 0.04 | 0.04 | — | 0.02 | 0.02 | — | — | — | — | — | — | — | |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 0.16 | 0.14 | 0.15 | 2.32 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | — | 317 | 317 | 0.01 | 0.01 | 1.50 | 321 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.04 | 20.0 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 3.27 | 3.27 | < 0.005 | < 0.005 | 0.01 | 3.31 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

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

3.5. Building Construction (2021) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.85 | 1.55 | 14.8 | 14.1 | 0.02 | 0.78 | — | 0.78 | 0.72 | — | 0.72 | — | 2,396 | 2,396 | 0.10 | 0.02 | — | 2,404 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.85 | 1.55 | 14.8 | 14.1 | 0.02 | 0.78 | — | 0.78 | 0.72 | — | 0.72 | — | 2,396 | 2,396 | 0.10 | 0.02 | — | 2,404 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.62 | 0.52 | 4.96 | 4.72 | 0.01 | 0.26 | — | 0.26 | 0.24 | — | 0.24 | — | 802 | 802 | 0.03 | 0.01 | — | 805 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 0.09 | 0.91 | 0.86 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 133 | 133 | 0.01 | < 0.005 | — | 133 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|---------|---------|------|------|---------|---------|------|---|-------|-------|---------|------|------|-------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 3.00 | 2.65 | 2.87 | 44.2 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 6,036 | 6,036 | 0.25 | 0.19 | 28.7 | 6,127 |
| Vendor | 0.19 | 0.14 | 3.81 | 1.76 | 0.02 | 0.05 | 0.14 | 0.20 | 0.05 | 0.05 | 0.11 | — | 2,672 | 2,672 | 0.02 | 0.36 | 6.99 | 2,786 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.55 | 2.35 | 3.19 | 29.9 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 5,331 | 5,331 | 0.26 | 0.19 | 0.74 | 5,395 |
| Vendor | 0.18 | 0.13 | 4.02 | 1.80 | 0.02 | 0.06 | 0.14 | 0.20 | 0.05 | 0.05 | 0.11 | — | 2,673 | 2,673 | 0.02 | 0.36 | 0.18 | 2,781 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.86 | 0.79 | 1.12 | 11.2 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | — | 1,838 | 1,838 | 0.09 | 0.06 | 4.13 | 1,863 |
| Vendor | 0.06 | 0.05 | 1.35 | 0.60 | 0.01 | 0.02 | 0.05 | 0.07 | 0.02 | 0.02 | 0.04 | — | 894 | 894 | 0.01 | 0.12 | 1.01 | 931 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.16 | 0.14 | 0.21 | 2.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | — | 304 | 304 | 0.01 | 0.01 | 0.68 | 308 |
| Vendor | 0.01 | 0.01 | 0.25 | 0.11 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | 0.01 | — | 148 | 148 | < 0.005 | 0.02 | 0.17 | 154 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.6. Building Construction (2021) - Mitigated

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

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|------|---------|------|-------|
| Off-Road Equipmen | 1.85 | 1.55 | 14.8 | 14.1 | 0.02 | 0.78 | — | 0.78 | 0.72 | — | 0.72 | — | 2,396 | 2,396 | 0.10 | 0.02 | — | 2,404 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 1.85 | 1.55 | 14.8 | 14.1 | 0.02 | 0.78 | — | 0.78 | 0.72 | — | 0.72 | — | 2,396 | 2,396 | 0.10 | 0.02 | — | 2,404 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.62 | 0.52 | 4.96 | 4.72 | 0.01 | 0.26 | — | 0.26 | 0.24 | — | 0.24 | — | 802 | 802 | 0.03 | 0.01 | — | 805 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.11 | 0.09 | 0.91 | 0.86 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 133 | 133 | 0.01 | < 0.005 | — | 133 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 3.00 | 2.65 | 2.87 | 44.2 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 6,036 | 6,036 | 0.25 | 0.19 | 28.7 | 6,127 |
| Vendor | 0.19 | 0.14 | 3.81 | 1.76 | 0.02 | 0.05 | 0.14 | 0.20 | 0.05 | 0.05 | 0.11 | — | 2,672 | 2,672 | 0.02 | 0.36 | 6.99 | 2,786 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.55 | 2.35 | 3.19 | 29.9 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 5,331 | 5,331 | 0.26 | 0.19 | 0.74 | 5,395 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------|------|------|------|------|---------|---------|------|------|---------|---------|------|---|-------|-------|---------|------|------|-------|
| Vendor | 0.18 | 0.13 | 4.02 | 1.80 | 0.02 | 0.06 | 0.14 | 0.20 | 0.05 | 0.05 | 0.11 | — | 2,673 | 2,673 | 0.02 | 0.36 | 0.18 | 2,781 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.86 | 0.79 | 1.12 | 11.2 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | — | 1,838 | 1,838 | 0.09 | 0.06 | 4.13 | 1,863 |
| Vendor | 0.06 | 0.05 | 1.35 | 0.60 | 0.01 | 0.02 | 0.05 | 0.07 | 0.02 | 0.02 | 0.04 | — | 894 | 894 | 0.01 | 0.12 | 1.01 | 931 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.16 | 0.14 | 0.21 | 2.04 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | — | 304 | 304 | 0.01 | 0.01 | 0.68 | 308 |
| Vendor | 0.01 | 0.01 | 0.25 | 0.11 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | 0.01 | — | 148 | 148 | < 0.005 | 0.02 | 0.17 | 154 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.7. Building Construction (2022) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 1.65 | 1.38 | 13.1 | 13.6 | 0.02 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.24 | 0.20 | 1.92 | 1.99 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|------|------|---------|---------|---------|---------|---------|---------|---------|------|-------|-------|---------|---------|------|-------|------|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.04 | 0.04 | 0.35 | 0.36 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 58.3 | 58.3 | < 0.005 | < 0.005 | — | 58.5 | |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 2.48 | 2.11 | 2.86 | 27.3 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 5,235 | 5,235 | 0.26 | 0.19 | 0.68 | 5,298 | |
| Vendor | 0.14 | 0.12 | 3.52 | 1.55 | 0.02 | 0.04 | 0.14 | 0.18 | 0.04 | 0.05 | 0.09 | — | 2,653 | 2,653 | 0.01 | 0.36 | 0.18 | 2,760 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 0.37 | 0.31 | 0.44 | 4.50 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | — | 791 | 791 | 0.04 | 0.03 | 1.68 | 802 | |
| Vendor | 0.02 | 0.02 | 0.52 | 0.22 | < 0.005 | 0.01 | 0.02 | 0.03 | 0.01 | 0.01 | 0.01 | — | 389 | 389 | < 0.005 | 0.05 | 0.44 | 405 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 0.07 | 0.06 | 0.08 | 0.82 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 131 | 131 | 0.01 | < 0.005 | 0.28 | 133 | |
| Vendor | < 0.005 | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 64.4 | 64.4 | < 0.005 | 0.01 | 0.07 | 67.1 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

3.8. Building Construction (2022) - Mitigated

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

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 1.65 | 1.38 | 13.1 | 13.6 | 0.02 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 2,397 | 2,397 | 0.10 | 0.02 | — | 2,406 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.24 | 0.20 | 1.92 | 1.99 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.04 | 0.04 | 0.35 | 0.36 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 58.3 | 58.3 | < 0.005 | < 0.005 | — | 58.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.48 | 2.11 | 2.86 | 27.3 | 0.00 | 0.00 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | — | 5,235 | 5,235 | 0.26 | 0.19 | 0.68 | 5,298 |
| Vendor | 0.14 | 0.12 | 3.52 | 1.55 | 0.02 | 0.04 | 0.14 | 0.18 | 0.04 | 0.05 | 0.09 | — | 2,653 | 2,653 | 0.01 | 0.36 | 0.18 | 2,760 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------|------|------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.37 | 0.31 | 0.44 | 4.50 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | — | 791 | 791 | 0.04 | 0.03 | 1.68 | 802 |
| Vendor | 0.02 | 0.02 | 0.52 | 0.22 | < 0.005 | 0.01 | 0.02 | 0.03 | 0.01 | 0.01 | 0.01 | — | 389 | 389 | < 0.005 | 0.05 | 0.44 | 405 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.08 | 0.82 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 131 | 131 | 0.01 | < 0.005 | 0.28 | 133 |
| Vendor | < 0.005 | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 64.4 | 64.4 | < 0.005 | 0.01 | 0.07 | 67.1 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.9. Paving (2022) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|---------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 1.12 | 0.94 | 8.46 | 10.1 | 0.01 | 0.46 | — | 0.46 | 0.43 | — | 0.43 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 2.70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.03 | 0.03 | 0.23 | 0.28 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 41.4 | 41.4 | < 0.005 | < 0.005 | — | 41.6 |
| Paving | — | 0.07 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|---------|------|---------|---------|---------|---------|---------|------|---------|------|------|------|---------|---------|---------|------|------|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.01 | < 0.005 | 0.04 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.86 | 6.86 | < 0.005 | < 0.005 | — | 6.88 | |
| Paving | — | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | 0.10 | 0.08 | 0.11 | 1.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 206 | 206 | 0.01 | 0.01 | 0.03 | 208 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 5.81 | 5.81 | < 0.005 | < 0.005 | 0.01 | 5.89 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 0.96 | 0.96 | < 0.005 | < 0.005 | < 0.005 | 0.98 | |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

3.10. Paving (2022) - Mitigated

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|---------|------|------|---------|---------|-------|---------|---------|--------|---------|------|-------|-------|---------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 1.12 | 0.94 | 8.46 | 10.1 | 0.01 | 0.46 | — | 0.46 | 0.43 | — | 0.43 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 2.70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.03 | 0.03 | 0.23 | 0.28 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 41.4 | 41.4 | < 0.005 | < 0.005 | — | 41.6 |
| Paving | — | 0.07 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.01 | < 0.005 | 0.04 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.86 | 6.86 | < 0.005 | < 0.005 | — | 6.88 |
| Paving | — | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------|---------|------|------|------|---------|---------|------|------|------|---|------|------|---------|---------|---------|------|
| Worker | 0.10 | 0.08 | 0.11 | 1.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 206 | 206 | 0.01 | 0.01 | 0.03 | 208 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 5.81 | 5.81 | < 0.005 | < 0.005 | 0.01 | 5.89 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 0.96 | 0.96 | < 0.005 | < 0.005 | < 0.005 | 0.98 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.11. Architectural Coating (2022) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|-------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|------|------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.19 | 0.16 | 0.96 | 1.17 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architect ural Coatings | — | 80.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|-------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.03 | 0.03 | 0.17 | 0.20 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 23.4 | 23.4 | < 0.005 | < 0.005 | — | 23.5 |
| Architect ural Coatings | — | 14.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.01 | 0.01 | 0.03 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.88 | 3.88 | < 0.005 | < 0.005 | — | 3.89 |
| Architect ural Coatings | — | 2.59 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.50 | 0.42 | 0.57 | 5.47 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.00 | 0.00 | — | 1,047 | 1,047 | 0.05 | 0.04 | 0.14 | 1,060 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.07 | 0.11 | 1.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 189 | 189 | 0.01 | 0.01 | 0.40 | 192 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|------|---------|---------|------|------|------|---|------|------|---------|---------|------|------|
| Worker | 0.02 | 0.01 | 0.02 | 0.20 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 31.3 | 31.3 | < 0.005 | < 0.005 | 0.07 | 31.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.12. Architectural Coating (2022) - Mitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|-------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|------|------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.19 | 0.16 | 0.96 | 1.17 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architect ural Coatings | — | 80.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipmen | 0.03 | 0.03 | 0.17 | 0.20 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 23.4 | 23.4 | < 0.005 | < 0.005 | — | 23.5 |
| Architect ural Coatings | — | 14.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|------------------------|------|------|------|------|---------|---------|---------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Off-Road Equipment | 0.01 | 0.01 | 0.03 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.88 | 3.88 | < 0.005 | < 0.005 | — | 3.89 |
| Architectural Coatings | — | 2.59 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.50 | 0.42 | 0.57 | 5.47 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.00 | 0.00 | — | 1,047 | 1,047 | 0.05 | 0.04 | 0.14 | 1,060 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.07 | 0.11 | 1.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | — | 189 | 189 | 0.01 | 0.01 | 0.40 | 192 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.20 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | — | 31.3 | 31.3 | < 0.005 | < 0.005 | 0.07 | 31.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------------|------|------|------|------|---------|---------|-------|-------|---------|---------|---------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 4.83 | 4.58 | 3.15 | 27.0 | 0.05 | 0.04 | 0.22 | 0.26 | 0.04 | 0.07 | 0.11 | — | 4,749 | 4,749 | 0.25 | 0.24 | 20.9 | 4,848 |
| General Heavy Industry | 0.07 | 0.06 | 0.09 | 0.79 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 163 | 163 | 0.01 | 0.01 | 0.74 | 166 |
| Convenience Market (24 hour) | 3.15 | 2.83 | 4.05 | 36.1 | 0.07 | 0.06 | 0.35 | 0.41 | 0.06 | 0.11 | 0.16 | — | 7,413 | 7,413 | 0.24 | 0.31 | 33.5 | 7,544 |
| Medical Office Building | 1.61 | 1.45 | 2.07 | 18.4 | 0.04 | 0.03 | 0.18 | 0.21 | 0.03 | 0.05 | 0.08 | — | 3,785 | 3,785 | 0.12 | 0.16 | 17.1 | 3,851 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 9.65 | 8.92 | 9.37 | 82.3 | 0.16 | 0.14 | 0.75 | 0.89 | 0.13 | 0.23 | 0.36 | — | 16,110 | 16,110 | 0.63 | 0.71 | 72.3 | 16,410 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 4.12 | 3.87 | 3.40 | 21.9 | 0.04 | 0.04 | 0.22 | 0.26 | 0.04 | 0.07 | 0.11 | — | 4,333 | 4,333 | 0.27 | 0.25 | 0.54 | 4,415 |
| General Heavy Industry | 0.06 | 0.05 | 0.10 | 0.59 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 148 | 148 | 0.01 | 0.01 | 0.02 | 151 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|------------------------------|------|------|------|------|---------|---------|---------|---------|---------|---------|---------|---|--------|--------|---------|---------|------|--------|
| Convenience Market (24 hour) | 2.80 | 2.49 | 4.39 | 26.8 | 0.07 | 0.06 | 0.35 | 0.41 | 0.06 | 0.11 | 0.16 | — | 6,743 | 6,743 | 0.25 | 0.32 | 0.87 | 6,845 |
| Medical Office Building | 1.43 | 1.27 | 2.24 | 13.7 | 0.03 | 0.03 | 0.18 | 0.21 | 0.03 | 0.05 | 0.08 | — | 3,442 | 3,442 | 0.13 | 0.16 | 0.44 | 3,495 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 8.41 | 7.69 | 10.1 | 62.9 | 0.14 | 0.14 | 0.75 | 0.89 | 0.13 | 0.23 | 0.36 | — | 14,666 | 14,666 | 0.65 | 0.74 | 1.87 | 14,905 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.76 | 0.72 | 0.64 | 4.32 | 0.01 | 0.01 | 0.04 | 0.05 | 0.01 | 0.01 | 0.02 | — | 733 | 733 | 0.05 | 0.04 | 1.49 | 748 |
| General Heavy Industry | 0.01 | 0.01 | 0.02 | 0.12 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 25.1 | 25.1 | < 0.005 | < 0.005 | 0.05 | 25.6 |
| Convenience Market (24 hour) | 0.52 | 0.46 | 0.83 | 5.34 | 0.01 | 0.01 | 0.06 | 0.07 | 0.01 | 0.02 | 0.03 | — | 1,142 | 1,142 | 0.04 | 0.05 | 2.40 | 1,161 |
| Medical Office Building | 0.26 | 0.24 | 0.42 | 2.73 | 0.01 | 0.01 | 0.03 | 0.04 | 0.01 | 0.01 | 0.02 | — | 583 | 583 | 0.02 | 0.03 | 1.22 | 593 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 1.55 | 1.42 | 1.90 | 12.5 | 0.03 | 0.02 | 0.14 | 0.16 | 0.02 | 0.04 | 0.07 | — | 2,483 | 2,483 | 0.11 | 0.12 | 5.17 | 2,528 |

4.1.2. Mitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------------|------|------|------|------|---------|---------|-------|-------|---------|---------|---------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 4.83 | 4.58 | 3.15 | 27.0 | 0.05 | 0.04 | 0.22 | 0.26 | 0.04 | 0.07 | 0.11 | — | 4,749 | 4,749 | 0.25 | 0.24 | 20.9 | 4,848 |
| General Heavy Industry | 0.07 | 0.06 | 0.09 | 0.79 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 163 | 163 | 0.01 | 0.01 | 0.74 | 166 |
| Convenience Market (24 hour) | 3.15 | 2.83 | 4.05 | 36.1 | 0.07 | 0.06 | 0.35 | 0.41 | 0.06 | 0.11 | 0.16 | — | 7,413 | 7,413 | 0.24 | 0.31 | 33.5 | 7,544 |
| Medical Office Building | 1.61 | 1.45 | 2.07 | 18.4 | 0.04 | 0.03 | 0.18 | 0.21 | 0.03 | 0.05 | 0.08 | — | 3,785 | 3,785 | 0.12 | 0.16 | 17.1 | 3,851 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 9.65 | 8.92 | 9.37 | 82.3 | 0.16 | 0.14 | 0.75 | 0.89 | 0.13 | 0.23 | 0.36 | — | 16,110 | 16,110 | 0.63 | 0.71 | 72.3 | 16,410 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 4.12 | 3.87 | 3.40 | 21.9 | 0.04 | 0.04 | 0.22 | 0.26 | 0.04 | 0.07 | 0.11 | — | 4,333 | 4,333 | 0.27 | 0.25 | 0.54 | 4,415 |
| General Heavy Industry | 0.06 | 0.05 | 0.10 | 0.59 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 148 | 148 | 0.01 | 0.01 | 0.02 | 151 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|------|------|------|------|---------|---------|---------|---------|---------|---------|---------|---|--------|--------|---------|---------|------|--------|
| Convenience Market (24 hour) | 2.80 | 2.49 | 4.39 | 26.8 | 0.07 | 0.06 | 0.35 | 0.41 | 0.06 | 0.11 | 0.16 | — | 6,743 | 6,743 | 0.25 | 0.32 | 0.87 | 6,845 |
| Medical Office Building | 1.43 | 1.27 | 2.24 | 13.7 | 0.03 | 0.03 | 0.18 | 0.21 | 0.03 | 0.05 | 0.08 | — | 3,442 | 3,442 | 0.13 | 0.16 | 0.44 | 3,495 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 8.41 | 7.69 | 10.1 | 62.9 | 0.14 | 0.14 | 0.75 | 0.89 | 0.13 | 0.23 | 0.36 | — | 14,666 | 14,666 | 0.65 | 0.74 | 1.87 | 14,905 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.76 | 0.72 | 0.64 | 4.32 | 0.01 | 0.01 | 0.04 | 0.05 | 0.01 | 0.01 | 0.02 | — | 733 | 733 | 0.05 | 0.04 | 1.49 | 748 |
| General Heavy Industry | 0.01 | 0.01 | 0.02 | 0.12 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 25.1 | 25.1 | < 0.005 | < 0.005 | 0.05 | 25.6 |
| Convenience Market (24 hour) | 0.52 | 0.46 | 0.83 | 5.34 | 0.01 | 0.01 | 0.06 | 0.07 | 0.01 | 0.02 | 0.03 | — | 1,142 | 1,142 | 0.04 | 0.05 | 2.40 | 1,161 |
| Medical Office Building | 0.26 | 0.24 | 0.42 | 2.73 | 0.01 | 0.01 | 0.03 | 0.04 | 0.01 | 0.01 | 0.02 | — | 583 | 583 | 0.02 | 0.03 | 1.22 | 593 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 1.55 | 1.42 | 1.90 | 12.5 | 0.03 | 0.02 | 0.14 | 0.16 | 0.02 | 0.04 | 0.07 | — | 2,483 | 2,483 | 0.11 | 0.12 | 5.17 | 2,528 |

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---|------|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e | |
|------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|------|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

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|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|---|------|
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e | |
|------------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|------|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|------|------|------|------|------|------|---|------|------|---|------|---|------|------|------|------|---|------|
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|------|------|------|------|------|------|---|------|------|---|------|---|------|------|------|------|---|------|
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

4.3. 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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 29.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.03 | 3.78 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Total | 4.03 | 35.4 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 0.00 | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 83.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 29.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 0.00 | 113 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|---------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|------|------|------|---------|---------|---|------|
| Architectural | — | 3.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 5.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.36 | 0.34 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |
| Total | 0.36 | 8.70 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |

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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|---------|---------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 29.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.03 | 3.78 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Total | 4.03 | 35.4 | 0.32 | 32.3 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | 0.00 | 101 | 101 | < 0.005 | < 0.005 | — | 101 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|------------------------|------|------|------|------|---------|---------|---|---------|---------|---|---------|------|------|------|---------|---------|---|------|
| Architectural | — | 83.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 29.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 0.00 | 113 | 0.00 | 0.00 | 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 | — | 3.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Consumer Products | — | 5.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.36 | 0.34 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |
| Total | 0.36 | 8.70 | 0.03 | 2.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 8.24 | 8.24 | < 0.005 | < 0.005 | — | 8.27 |

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 | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|------|------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 48.0 | 0.00 | 48.0 | 4.80 | 0.00 | — | 168 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 481 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 5.67 | 0.00 | 5.67 | 0.57 | 0.00 | — | 19.8 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 29.1 | 0.00 | 29.1 | 2.91 | 0.00 | — | 102 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 35.9 | 0.00 | 35.9 | 3.59 | 0.00 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 48.0 | 0.00 | 48.0 | 4.80 | 0.00 | — | 168 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 481 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 5.67 | 0.00 | 5.67 | 0.57 | 0.00 | — | 19.8 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 29.1 | 0.00 | 29.1 | 2.91 | 0.00 | — | 102 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 35.9 | 0.00 | 35.9 | 3.59 | 0.00 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 7.95 | 0.00 | 7.95 | 0.79 | 0.00 | — | 27.8 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 22.7 | 0.00 | 22.7 | 2.27 | 0.00 | — | 79.6 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.94 | 0.00 | 0.94 | 0.09 | 0.00 | — | 3.28 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 4.82 | 0.00 | 4.82 | 0.48 | 0.00 | — | 16.9 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 5.95 | 0.00 | 5.95 | 0.59 | 0.00 | — | 20.8 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 42.4 | 0.00 | 42.4 | 4.24 | 0.00 | — | 148 |

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 48.0 | 0.00 | 48.0 | 4.80 | 0.00 | — | 168 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 481 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 5.67 | 0.00 | 5.67 | 0.57 | 0.00 | — | 19.8 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 29.1 | 0.00 | 29.1 | 2.91 | 0.00 | — | 102 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 35.9 | 0.00 | 35.9 | 3.59 | 0.00 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 48.0 | 0.00 | 48.0 | 4.80 | 0.00 | — | 168 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 481 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 5.67 | 0.00 | 5.67 | 0.57 | 0.00 | — | 19.8 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|------|------|------|------|---|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 29.1 | 0.00 | 29.1 | 2.91 | 0.00 | — | 102 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 35.9 | 0.00 | 35.9 | 3.59 | 0.00 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 256 | 0.00 | 256 | 25.6 | 0.00 | — | 896 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | 7.95 | 0.00 | 7.95 | 0.79 | 0.00 | — | 27.8 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | 22.7 | 0.00 | 22.7 | 2.27 | 0.00 | — | 79.6 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | 0.94 | 0.00 | 0.94 | 0.09 | 0.00 | — | 3.28 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | 4.82 | 0.00 | 4.82 | 0.48 | 0.00 | — | 16.9 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 5.95 | 0.00 | 5.95 | 0.59 | 0.00 | — | 20.8 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 42.4 | 0.00 | 42.4 | 4.24 | 0.00 | — | 148 |

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)

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.18 | 8.18 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 53.5 | 53.5 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 726 | 726 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.13 | 0.13 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.18 | 8.18 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 53.5 | 53.5 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 726 | 726 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.13 | 0.13 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.35 | 1.35 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.86 | 8.86 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 120 | 120 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.02 | 0.02 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 130 | 130 |

4.6.2. Mitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.18 | 8.18 |

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| | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 53.5 | 53.5 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 726 | 726 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.13 | 0.13 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.18 | 8.18 |
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 53.5 | 53.5 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 726 | 726 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.13 | 0.13 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.06 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 788 | 788 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile Home Park | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.35 | 1.35 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| General Heavy Industry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.86 | 8.86 |
| Convenience Market (24 hour) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 120 | 120 |
| Medical Office Building | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.02 | 0.02 |
| Health Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 130 | 130 |

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

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

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|-----------------------|-----------------------|------------|-----------|---------------|---------------------|-------------------|
| Site Preparation | Site Preparation | 6/1/2021 | 6/8/2021 | 5.00 | 6.00 | — |
| Grading | Grading | 6/9/2021 | 7/13/2021 | 5.00 | 25.0 | — |
| Building Construction | Building Construction | 7/14/2021 | 3/16/2022 | 5.00 | 176 | — |
| All-weather access | Paving | 3/17/2022 | 3/30/2022 | 5.00 | 10.0 | — |
| Architectural Coating | Architectural Coating | 1/1/2022 | 3/31/2022 | 5.00 | 64.0 | — |

5.2. Off-Road Equipment

5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|------------------|---------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation | Rubber Tired Dozers | Diesel | Average | 3.00 | 8.00 | 367 | 0.40 |

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| | | | | | | | |
|-----------------------|---------------------------|--------|---------|------|------|------|------|
| Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Scrapers | Diesel | Average | 2.00 | 8.00 | 423 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Cranes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| All-weather access | Pavers | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| All-weather access | Paving Equipment | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| All-weather access | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |

5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|------------------|---------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Site Preparation | Rubber Tired Dozers | Diesel | Average | 3.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 4.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Scrapers | Diesel | Average | 2.00 | 8.00 | 423 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|-----------------------|---------------------------|--------|---------|------|------|------|------|
| Building Construction | Cranes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Average | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 3.00 | 7.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| All-weather access | Pavers | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| All-weather access | Paving Equipment | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| All-weather access | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |

5.3. Construction Vehicles

5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 381 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 79.7 | 10.2 | HHDT,MHDT |

| | | | | |
|-----------------------|--------------|------|------|---------------|
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| All-weather access | — | — | — | — |
| All-weather access | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| All-weather access | Vendor | — | 10.2 | HHDT,MHDT |
| All-weather access | Hauling | 0.00 | 20.0 | HHDT |
| All-weather access | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 76.3 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 381 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|-----------------------|--------------|------|------|---------------|
| Building Construction | Vendor | 79.7 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| All-weather access | — | — | — | — |
| All-weather access | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| All-weather access | Vendor | — | 10.2 | HHDT,MHDT |
| All-weather access | Hauling | 0.00 | 20.0 | HHDT |
| All-weather access | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 76.3 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

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 | 969,570 | 323,190 | 332,550 | 110,850 | 26,920 |

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|------------|---------------------------------|---------------------------------|----------------------|-------------------------------|---------------------|
|------------|---------------------------------|---------------------------------|----------------------|-------------------------------|---------------------|

| | | | | | |
|--------------------|------|------|------|------|------|
| Site Preparation | 0.00 | 0.00 | 45.0 | 0.00 | — |
| Grading | 0.00 | 0.00 | 75.0 | 0.00 | — |
| All-weather access | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 |

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|------------------------------|--------------------|-----------|
| Mobile Home Park | — | 0% |
| General Heavy Industry | 0.00 | 0% |
| Convenience Market (24 hour) | 0.00 | 0% |
| Medical Office Building | 0.00 | 0% |
| Health Club | 0.00 | 0% |
| Other Asphalt Surfaces | 10.3 | 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 | 0.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 0.00 |

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 |
|------------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Mobile Home Park | 812 | 812 | 812 | 296,367 | 5,014 | 5,014 | 5,014 | 1,830,068 |
| General Heavy Industry | 8.22 | 8.22 | 8.22 | 3,002 | 177 | 177 | 177 | 64,562 |
| Convenience Market (24 hour) | 374 | 374 | 374 | 136,411 | 8,038 | 8,038 | 8,038 | 2,933,937 |
| Medical Office Building | 191 | 191 | 191 | 69,642 | 4,104 | 4,104 | 4,104 | 1,497,860 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|------------------------------|---------------|----------------|--------------|------------|-------------|--------------|------------|-----------|
| Mobile Home Park | 812 | 812 | 812 | 296,367 | 5,014 | 5,014 | 5,014 | 1,830,068 |
| General Heavy Industry | 8.22 | 8.22 | 8.22 | 3,002 | 177 | 177 | 177 | 64,562 |
| Convenience Market (24 hour) | 374 | 374 | 374 | 136,411 | 8,038 | 8,038 | 8,038 | 2,933,937 |
| Medical Office Building | 191 | 191 | 191 | 69,642 | 4,104 | 4,104 | 4,104 | 1,497,860 |
| Health Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

| Hearth Type | Unmitigated (number) |
|---------------------------|----------------------|
| Mobile Home Park | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |
| No Fireplaces | 399 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |

5.10.1.2. Mitigated

| Hearth Type | Unmitigated (number) |
|---------------------------|----------------------|
| Mobile Home Park | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |
| No Fireplaces | 399 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |

5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|--|--|--|--|-----------------------------|
| 2313372.15 | 771,124 | 358,890 | 119,630 | 26,920 |

5.10.3. Landscape Equipment

| Season | Unit | Value |
|-------------|--------|-------|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|-------------|--------|-------|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

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) |
|------------------------------|----------------------|------|--------|--------|-----------------------|
| Mobile Home Park | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Health Club | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.0000 | 0.0000 | 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) |
|------------------------------|----------------------|------|--------|--------|-----------------------|
| Mobile Home Park | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| General Heavy Industry | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Medical Office Building | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Health Club | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.00 |

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|------------------------------|-------------------------|--------------------------|
| Mobile Home Park | 0.00 | 0.00 |
| General Heavy Industry | 0.00 | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 |
| Medical Office Building | 0.00 | 0.00 |
| Health Club | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |

5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|------------------------------|-------------------------|--------------------------|
| Mobile Home Park | 0.00 | 0.00 |
| General Heavy Industry | 0.00 | 0.00 |
| Convenience Market (24 hour) | 0.00 | 0.00 |
| Medical Office Building | 0.00 | 0.00 |
| Health Club | 0.00 | 0.00 |

| | | |
|------------------------|------|------|
| Other Asphalt Surfaces | 0.00 | 0.00 |
|------------------------|------|------|

5.13. Operational Waste Generation

5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|------------------------------|------------------|-------------------------|
| Mobile Home Park | 89.1 | 0.00 |
| General Heavy Industry | 255 | 0.00 |
| Convenience Market (24 hour) | 10.5 | 0.00 |
| Medical Office Building | 54.0 | 0.00 |
| Health Club | 66.7 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |

5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|------------------------------|------------------|-------------------------|
| Mobile Home Park | 89.1 | 0.00 |
| General Heavy Industry | 255 | 0.00 |
| Convenience Market (24 hour) | 10.5 | 0.00 |
| Medical Office Building | 54.0 | 0.00 |
| Health Club | 66.7 | 0.00 |
| Other Asphalt Surfaces | 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 |
|---------------|----------------|-------------|-----|---------------|----------------------|-------------------|----------------|
|---------------|----------------|-------------|-----|---------------|----------------------|-------------------|----------------|

| | | | | | | | |
|------------------------------|---|--------|-------|---------|------|------|------|
| Mobile Home Park | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Mobile Home Park | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088 | 0.30 | 4.00 | 4.00 | 18.0 |
| Convenience Market (24 hour) | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Convenience Market (24 hour) | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |
| Medical Office Building | Household refrigerators and/or freezers | R-134a | 1,430 | 0.45 | 0.60 | 0.00 | 1.00 |
| Medical Office Building | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Health Club | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Health Club | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 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 |
|------------------------------|---|-------------|-------|---------------|----------------------|-------------------|----------------|
| Mobile Home Park | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Mobile Home Park | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| General Heavy Industry | Other commercial A/C and heat pumps | R-410A | 2,088 | 0.30 | 4.00 | 4.00 | 18.0 |
| Convenience Market (24 hour) | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |

| | | | | | | | |
|------------------------------|--|--------|-------|---------|------|------|------|
| Convenience Market (24 hour) | Supermarket refrigeration and condensing units | R-404A | 3,922 | 26.5 | 16.5 | 16.5 | 18.0 |
| Medical Office Building | Household refrigerators and/or freezers | R-134a | 1,430 | 0.45 | 0.60 | 0.00 | 1.00 |
| Medical Office Building | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Health Club | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Health Club | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 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 |
|----------------|-----------|----------------|---------------|----------------|------------|-------------|
|----------------|-----------|----------------|---------------|----------------|------------|-------------|

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 | 34.6 | annual days of extreme heat |
| Extreme Precipitation | 0.95 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 3.49 | 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 | N/A | N/A | N/A | N/A |
| Air Quality | 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 | N/A | N/A | N/A | N/A |
| Air Quality | 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 | 95.3 |
| AQ-PM | 6.85 |
| AQ-DPM | 0.54 |
| Drinking Water | 63.4 |
| Lead Risk Housing | 39.7 |
| Pesticides | 0.00 |
| Toxic Releases | 19.0 |
| Traffic | 7.05 |
| Effect Indicators | — |
| CleanUp Sites | 46.1 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 0.00 |
| Impaired Water Bodies | 33.2 |
| Solid Waste | 0.00 |
| Sensitive Population | — |
| Asthma | 79.7 |
| Cardio-vascular | 95.1 |
| Low Birth Weights | 90.7 |
| Socioeconomic Factor Indicators | — |
| Education | 55.1 |
| Housing | 66.1 |
| Linguistic | 12.3 |
| Poverty | 59.1 |

| | |
|--------------|------|
| Unemployment | 93.7 |
|--------------|------|

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 | 24.6888233 |
| Employed | 6.159373797 |
| Education | — |
| Bachelor's or higher | 12.89618889 |
| High school enrollment | 100 |
| Preschool enrollment | 80.67496471 |
| Transportation | — |
| Auto Access | 63.41588605 |
| Active commuting | 2.130116771 |
| Social | — |
| 2-parent households | 69.2416271 |
| Voting | 59.04016425 |
| Neighborhood | — |
| Alcohol availability | 91.86449378 |
| Park access | 25.63839343 |
| Retail density | 1.360195047 |
| Supermarket access | 11.34351341 |
| Tree canopy | 0.230976517 |
| Housing | — |
| Homeownership | 72.97574747 |
| Housing habitability | 49.31348646 |

Senior Wellness Community in Apple Valley - San Bernardino County Detailed Report, 9/7/2022

| | |
|--|-------------|
| Low-inc homeowner severe housing cost burden | 29.56499423 |
| Low-inc renter severe housing cost burden | 23.17464391 |
| Uncrowded housing | 47.8121391 |
| Health Outcomes | — |
| Insured adults | 51.2511228 |
| Arthritis | 1.0 |
| Asthma ER Admissions | 14.5 |
| High Blood Pressure | 2.5 |
| Cancer (excluding skin) | 4.6 |
| Asthma | 12.1 |
| Coronary Heart Disease | 1.4 |
| Chronic Obstructive Pulmonary Disease | 0.7 |
| Diagnosed Diabetes | 6.8 |
| Life Expectancy at Birth | 23.1 |
| Cognitively Disabled | 16.7 |
| Physically Disabled | 10.0 |
| Heart Attack ER Admissions | 9.0 |
| Mental Health Not Good | 27.0 |
| Chronic Kidney Disease | 5.2 |
| Obesity | 23.9 |
| Pedestrian Injuries | 19.6 |
| Physical Health Not Good | 12.4 |
| Stroke | 3.8 |
| Health Risk Behaviors | — |
| Binge Drinking | 87.0 |
| Current Smoker | 18.3 |
| No Leisure Time for Physical Activity | 36.8 |

| | |
|----------------------------------|------|
| Climate Change Exposures | — |
| Wildfire Risk | 1.3 |
| SLR Inundation Area | 0.0 |
| Children | 61.0 |
| Elderly | 25.1 |
| English Speaking | 91.9 |
| Foreign-born | 7.8 |
| Outdoor Workers | 39.6 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 98.0 |
| Traffic Density | 3.4 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 72.1 |
| Other Decision Support | — |
| 2016 Voting | 68.2 |

7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a) | 44.0 |
| Healthy Places Index Score for Project Location (b) | 30.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

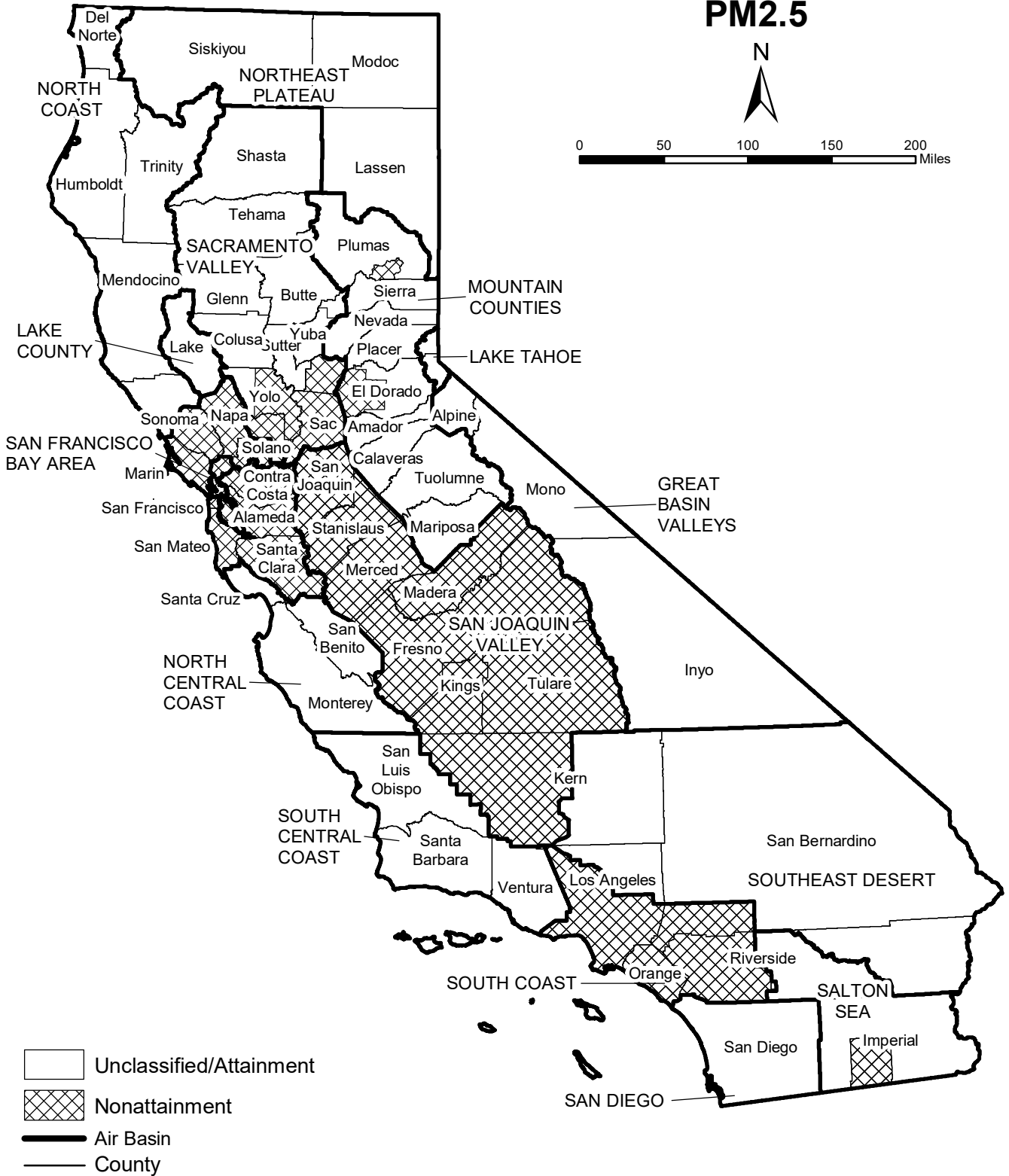
Health and Equity Evaluation Scorecard not completed.

8. User Changes to Default Data

| Screen | Justification |
|---|--|
| Characteristics: Utility Information | Utility company is Avellana Power Rural Electrical Cooperative. Avellana is using 100% solar power generated on the project site. No natural gas would be used. |
| Land Use | mobile home park=26.23 acres, utility parcel (Modeled as industrial)= 4.72 acres, medical office=0.115 acres, Retail=3.38 acres, health club=community center= 0.268 acre, Other asphalt surfaces=streets= 448.668 Tsqft |
| Construction: Construction Phases | anticipated construction schedule |
| Construction: Dust From Material Movement | total acres graded |
| Construction: Architectural Coatings | Rule 1113 |
| Operations: Vehicle Data | per TIA, Note: industrial = utility parcel, health club= community center, other asphalt surfaces= streets. Trip lengths reflect medical and retail services provided on site. |
| Operations: Hearths | No fireplaces |
| Operations: Energy Use | 100% of the electricity would be generated onsite by solar no natural gas usage |
| Operations: Water and Waste Water | The project's water will be supplied by wells on the 5 acre parcel and providing 100% the water demand. The project will build and operate a wastewater treatment plant, so no wastewater will leave the site. |

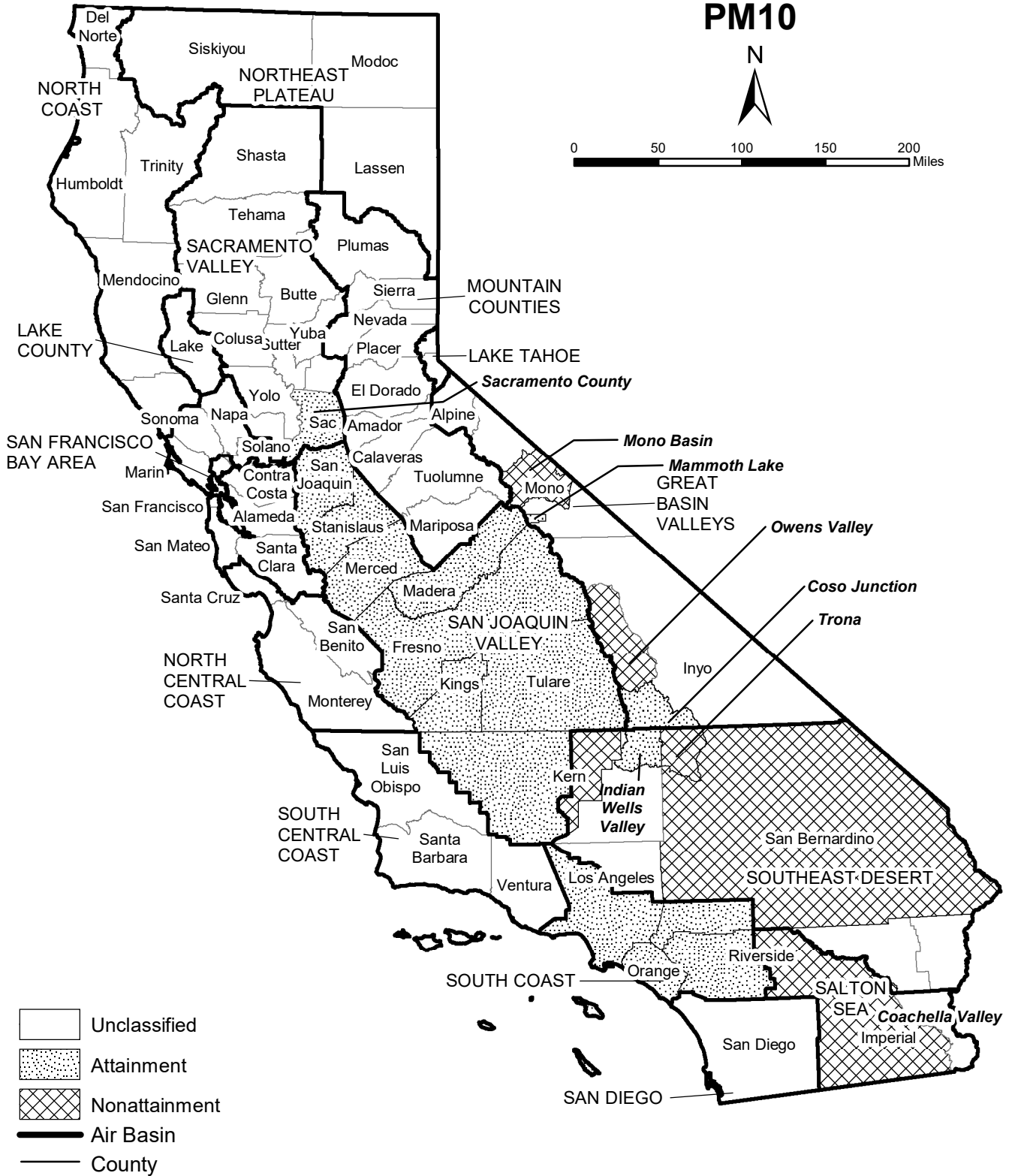
Area Designations for National Ambient Air Quality Standards

PM2.5



Area Designations for National Ambient Air Quality Standards

PM10



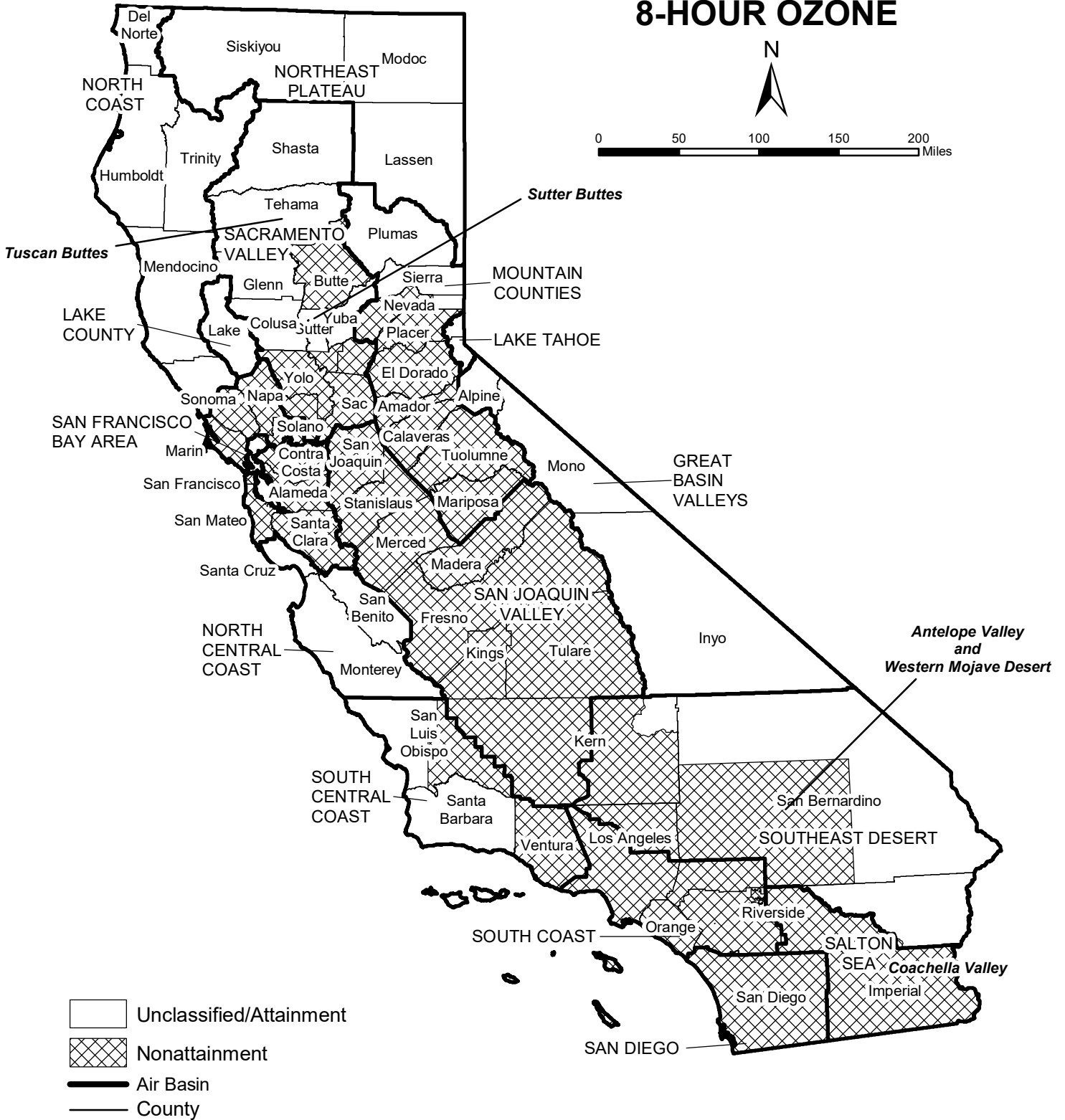
Area Designations for National Ambient Air Quality Standards CARBON MONOXIDE



Area Designations for National Ambient Air Quality Standards NITROGEN DIOXIDE



Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



Last Updated: October 2018
 Map reflects the 2015 8-hour ozone standard of 0.070 ppm
 Air Quality Planning and Science Division, CARB

Area Designations for National Ambient Air Quality Standards

LEAD



Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE

