

## Technical Memorandum

TO: AECOM  
c/o Allie Beauregard

FROM: Terry A. Hayes Associates Inc.

DATE: January 7, 2022

RE: **Alta Cuvee Mixed Use Project – Subterranean Parking Design Change  
Supplemental Assessment of Potential Environmental Impacts Related to  
Air Quality, Energy, Greenhouse Gas Emissions, and Noise and Vibration**

### SUMMARY

The purpose of this Technical Memorandum is to evaluate whether proposed changes to the design of the Alta Cuvee Mixed Use Project (proposed project) subterranean parking garage would result in new or exacerbated environmental impacts in accordance with California Environmental Quality Act (CEQA). The Memorandum addresses environmental impacts for the environmental resource topics of Air Quality, Energy, Greenhouse Gas (GHG) Emissions, and Noise and Vibration using the new parking garage design and comparing to previously prepared analyses supporting the proposed project's Initial Study/Mitigated Negative Declaration (IS/MND). The analyses determined that the proposed project design changes would not result in a significant environmental impact in the context of the Appendix G Environmental Checklist criteria of the CEQA Guidelines during construction or operational activities.

### PROJECT DESCRIPTION

The proposed project involves the construction of two four-story buildings comprising a 260-unit apartment community located at 12901-12939 Foothill Boulevard in the City of Rancho Cucamonga. The proposed project would include two four-story buildings with 259 apartment units comprising approximately 225,079 square feet of building floor area and one live-work unit of 1,570 square feet. The center of the west building would have a courtyard with a pool and spa (comprising approximately 3,572 square feet), and the center of the east building would have a courtyard. The proposed project would also include commercial space totaling 2,436 square feet, and ancillary office and lobby space comprising 5,537 square feet.

The proposed project would provide 528 total parking spaces: 200 surface parking spaces and 328 garage parking spaces. Prior CEQA analyses for the proposed project were based on a project design that included a 265-space subterranean garage. The proposed design changes would add 65 subterranean parking spaces to meet the needs of the proposed project in accordance with the City of Rancho Cucamonga Municipal Code (RCMC). The design change would increase the amount of excavation required to accommodate the subterranean parking structure from 52,010 cubic yards (CY) to 62,700 CY. As some of the excavated material will be rebalanced on-site, the total quantity to be exported and disposed of would increase from 31,770 CY—as accounted for in the prior CEQA analyses—to 50,080 CY.

Construction of the proposed project is anticipated to begin in March 2022 and take approximately 24 months to complete, concluding in early 2024. Construction activities would occur Monday through Saturday from 7:00 a.m. to 7:00 p.m. The construction period would include excavation and grading activities, installation of building foundations and utilities, and installation of landscaping and hardscape elements. The proposed design change to the subterranean parking garage would not alter the total duration of construction activities, nor would it increase the maximum daily equipment and vehicle activity that would occur to complete construction of the proposed project. Export of excavated material would generate up to 60 daily round trips for haul trucks (i.e., 60 truckloads per day), consistent with activities analyzed in the IS/MND. Through coordination with the project design team, the construction schedule was revised to accommodate for the additional material hauling, and the adjusted construction schedule is summarized below in **Table 1**. Ultimately, the total number of weeks for excavation and export was extended from six weeks to 10 weeks to dispose of the additional displaced material as a result of the design change.

| <b>TABLE 1: PROPOSED PROJECT CONSTRUCTION SCHEDULE</b> |                                       |                      |                    |   |
|--|---------------------------------------|----------------------|--------------------|---|
| <b>Phase Number</b>                                    | <b>Phase Name</b>                     | <b>Approx. Start</b> | <b>Approx. End</b> | <b>Approx. Workdays (Six Days per Week)</b> |
| 1  | Demolition & Site Clearing            | March 2022           | March 2022         | 12  |
| 2  | East Building – Grading               | April 2022           | April 2022         | 24  |
| 3  | East Building – Trenching/Utilities   | May 2022             | June 2022          | 36  |
| 4  | East Building – Construction          | June 2022            | February 2024      | 534   |
| 5  | West Building – Grading               | November 2022        | November 2022      | 18  |
| 6  | West Building – Trenching Utilities   | November 2022        | December 2022      | 24  |
| 7  | West Building – Construction          | December 2022        | March 2024         | 378   |
| 8  | East Building – Paving                | May 2023             | September 2023     | 108   |
| 9  | East Building – Architectural Coating | May 2023             | July 2023          | 72  |
| 10   | West Building – Paving                | August 2023          | November 2023      | 96  |
| 11   | West Building – Architectural Coating | September 2023       | December 2023      | 72  |
| 12   | Bus Bay on Eastbound Foothill Blvd    | March 2024           | May 2024           | 48  |
| <b>OVERLAPPING ACTIVITIES ANALYSIS</b>                 |                                       |                      |                    |   |
| 4/5  | EB – Con + WB – Grading               | November 2022        | November 2022      | -   |
| 4/6  | EB – Con + WB – Trenching/Utilities   | November 2022        | December 2022      | -   |
| 4/7/8/9  | EB – Con/Paving/AC + WB – Con         | May 2023             | July 2023          | -   |
| 4/7/8/10   | EB – Con/Paving + WB – Con/Paving     | August 2023          | September 2023     | -   |
| 4/7/10/11  | EB – Con + WB – Con/Paving/AC         | September 2023       | November 2023      | -   |
| <b>SOURCE:</b> TAHA, 2022.                             |                                       |                      |                    |   |

## AIR QUALITY

### Construction – Emissions Analysis

Environmental impacts related to air quality were previously assessed for the IS/MND and found to be less than significant without mitigation. The design change to the proposed project subterranean parking garage would not increase the maximum daily equipment and vehicle activities during construction, and therefore the maximum daily emissions that would occur during construction activities would be consistent with those that were analyzed in the IS/MND. **Table 2**, below, presents the regional emissions analysis for construction of the proposed project as reproduced from the IS/MND. Construction of the proposed project with the proposed parking structure design change would not result in emissions exceeding any applicable regional South Coast Air Quality Management District (SCAQMD) mass daily threshold.

| <b>TABLE 2: PROPOSED PROJECT CONSTRUCTION EMISSIONS – REGIONAL ANALYSIS</b> |                        |                            |                 |             |                 |                  |                   |
|---|------------------------|----------------------------|-----------------|-------------|-----------------|------------------|-------------------|
| Phase   | Source Location        | Daily Emissions (lbs./day) |                 |             |                 |                  |                   |
|   |                        | VOC                        | NO <sub>x</sub> | CO          | SO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Demolition & Site Clearing  | On-Site Emissions      | 0.2                        | 1.0             | 14.2        | <0.1            | <0.1             | <0.1              |
|   | Off-Site Emissions     | 0.2                        | 0.1             | 1.3         | <0.1            | 0.5              | 0.1               |
|   | <b>Total Emissions</b> | <b>0.5</b>                 | <b>1.2</b>      | <b>15.5</b> | <b>0.1</b>      | <b>0.5</b>       | <b>0.2</b>        |
| East Building – Grading   | On-Site Emissions      | 0.5                        | 2.3             | 20.9        | <0.1            | 1.1              | 0.2               |
|   | Off-Site Emissions     | 0.2                        | 0.1             | 1.2         | <0.1            | 0.4              | 0.1               |
|   | <b>Total Emissions</b> | <b>0.8</b>                 | <b>2.4</b>      | <b>22.1</b> | <b>0.1</b>      | <b>1.6</b>       | <b>0.3</b>        |
| East Building – Trenching/Utilities   | On-Site Emissions      | 0.3                        | 1.4             | 14.5        | <0.1            | 0.5              | 0.1               |
|   | Off-Site Emissions     | 0.9                        | 25.3            | 5.9         | 0.1             | 2.6              | 0.8               |
|   | <b>Total Emissions</b> | <b>1.3</b>                 | <b>26.7</b>     | <b>20.5</b> | <b>0.2</b>      | <b>3.2</b>       | <b>0.9</b>        |
| East Building – Construction  | On-Site Emissions      | 0.3                        | 2.6             | 15.6        | <0.1            | <0.1             | <0.1              |
|   | Off-Site Emissions     | 1.1                        | 4.2             | 7.0         | <0.1            | 2.5              | 0.7               |
|   | <b>Total Emissions</b> | <b>1.4</b>                 | <b>6.8</b>      | <b>22.6</b> | <b>0.1</b>      | <b>2.6</b>       | <b>0.8</b>        |
| West Building – Grading   | On-Site Emissions      | 0.5                        | 2.3             | 20.9        | <0.1            | 1.1              | 0.2               |
|   | Off-Site Emissions     | 0.2                        | 0.1             | 1.2         | <0.1            | 0.4              | 0.1               |
|   | <b>Total Emissions</b> | <b>0.8</b>                 | <b>2.4</b>      | <b>22.1</b> | <b>0.1</b>      | <b>1.6</b>       | <b>0.3</b>        |
| West Building – Trenching/Utilities   | On-Site Emissions      | 0.3                        | 1.4             | 14.5        | <0.1            | 0.5              | 0.1               |
|   | Off-Site Emissions     | 0.9                        | 25.3            | 5.9         | 0.1             | 2.6              | 0.8               |
|   | <b>Total Emissions</b> | <b>1.3</b>                 | <b>26.7</b>     | <b>20.5</b> | <b>0.2</b>      | <b>3.2</b>       | <b>0.9</b>        |
| West Building – Construction  | On-Site Emissions      | 0.2                        | 0.9             | 13.3        | <0.1            | <0.1             | <0.1              |
|   | Off-Site Emissions     | 1.1                        | 4.2             | 7.0         | <0.1            | 2.5              | 0.7               |
|   | <b>Total Emissions</b> | <b>1.3</b>                 | <b>5.2</b>      | <b>20.4</b> | <b>0.1</b>      | <b>2.6</b>       | <b>0.8</b>        |
| East Building - Paving  | On-Site Emissions      | 0.3                        | 1.2             | 17.3        | <0.1            | <0.1             | <0.1              |
|   | Off-Site Emissions     | 0.3                        | 2.9             | 1.8         | <0.1            | 0.7              | 0.2               |
|   | <b>Total Emissions</b> | <b>0.6</b>                 | <b>4.2</b>      | <b>19.2</b> | <b>0.1</b>      | <b>0.8</b>       | <b>0.3</b>        |
| East Building – Architectural Coating                                       | On-Site Emissions      | 21.6                       | 2.8             | 2.2         | <0.1            | 0.1              | 0.1               |
|   | Off-Site Emissions     | 0.2                        | 0.1             | 1.1         | <0.1            | 0.4              | 0.1               |
|   | <b>Total Emissions</b> | <b>21.8</b>                | <b>2.9</b>      | <b>3.4</b>  | <b>&lt;0.1</b>  | <b>0.6</b>       | <b>0.3</b>        |
| West Building - Paving  | On-Site Emissions      | 0.3                        | 1.2             | 17.3        | <0.1            | <0.1             | <0.1              |
|   | Off-Site Emissions     | 0.3                        | 2.9             | 1.8         | <0.1            | 0.7              | 0.2               |
|   | <b>Total Emissions</b> | <b>0.6</b>                 | <b>4.2</b>      | <b>19.2</b> | <b>&lt;0.1</b>  | <b>0.8</b>       | <b>0.3</b>        |
| West Building – Architectural Coating                                       | On-Site Emissions      | 21.6                       | 2.8             | 2.2         | <0.1            | 0.1              | 0.1               |
|   | Off-Site Emissions     | 0.2                        | 0.1             | 1.1         | <0.1            | 0.4              | 0.1               |
|   | <b>Total Emissions</b> | <b>21.8</b>                | <b>2.9</b>      | <b>3.4</b>  | <b>&lt;0.1</b>  | <b>0.6</b>       | <b>0.3</b>        |
| <b>OVERLAPPING ACTIVITIES</b>   |                        |                            |                 |             |                 |                  |                   |
| EB – Con + WB – Grading   | Total Emissions        | 2.1                        | 9.2             | 44.7        | 0.1             | 4.1              | 1.0               |
| EB – Con + WB – Trenching/Utilities   | Total Emissions        | 2.6                        | 33.4            | 43.0        | 0.2             | 5.7              | 1.6               |
| EB – Con/Paving/AC + WB – Con   | Total Emissions        | 24.9                       | 18.9            | 65.4        | 0.2             | 6.4              | 1.9               |
| EB – Con/Paving + WB – Con/Paving   | Total Emissions        | 3.8                        | 20.2            | 82.6        | 0.2             | 6.6              | 1.9               |
| EB – Con + WB – Con/Paving/AC   | Total Emissions        | 24.9                       | 18.9            | 65.4        | 0.2             | 6.4              | 1.9               |
| <b>REGIONAL ANALYSIS</b>  |                        |                            |                 |             |                 |                  |                   |
| Maximum Regional Daily Emissions  |                        | <b>24.9</b>                | <b>33.4</b>     | <b>82.6</b> | <b>0.2</b>      | <b>6.6</b>       | <b>1.9</b>        |
| Regional Significance Threshold   |                        | 75                         | 100             | 550         | 150             | 150              | 55                |
| Exceed Regional Threshold?  |                        | <b>No</b>                  | <b>No</b>       | <b>No</b>   | <b>No</b>       | <b>No</b>        | <b>No</b>         |
| <b>SOURCE: TAHA, 2022.</b>  |                        |                            |                 |             |                 |                  |                   |

Also reproduced is the localized emissions analysis from the IS/MND, as shown in **Table 3**. Construction of the proposed project with the subterranean parking structure design change would not increase maximum daily localized emissions and would not result in emissions exceeding any applicable SCAQMD LST screening value. Updated California Emissions Estimator Model (CalEEMod) output files are provided as **Attachment A** to this Memorandum.

| <b>TABLE 3: PROPOSED PROJECT CONSTRUCTION EMISSIONS – LOCALIZED ANALYSIS</b> |   |             |                        |                         |
|--|---|-------------|------------------------|-------------------------|
| <b>PHASE</b>   | <b>On-Site Daily Emissions (lbs./day)</b> |             |                        |                         |
|  | <b>NO<sub>x</sub></b>                     | <b>CO</b>   | <b>PM<sub>10</sub></b> | <b>PM<sub>2.5</sub></b> |
| Demolition & Site Clearing   | 1.0                                       | 14.2        | <0.1                   | <0.1                    |
| East Building – Grading  | 2.3                                       | 20.9        | 1.1                    | 0.2                     |
| East Building – Trenching/Utilities  | 1.4                                       | 14.5        | 0.5                    | 0.1                     |
| East Building – Construction   | 2.6                                       | 15.6        | <0.1                   | <0.1                    |
| West Building – Grading  | 2.3                                       | 20.9        | 1.1                    | 0.2                     |
| West Building – Trenching/Utilities  | 1.4                                       | 14.5        | 0.5                    | 0.1                     |
| West Building – Construction   | 0.9                                       | 13.3        | <0.1                   | <0.1                    |
| East Building – Paving   | 1.2                                       | 17.3        | <0.1                   | <0.1                    |
| East Building – Architectural Coating  | 2.8                                       | 2.2         | 0.1                    | 0.1                     |
| West Building – Paving   | 1.2                                       | 17.3        | <0.1                   | <0.1                    |
| West Building – Architectural Coating  | 2.8                                       | 2.2         | 0.1                    | 0.1                     |
| Bus Bay Construction – Maximum Daily   | 2.1                                       | 8.8         | 0.3                    | <0.1                    |
| <b>OVERLAPPING ACTIVITIES</b>  |   |             |                        |                         |
| EB – Con + WB – Grading  | 4.9                                       | 36.4        | 1.1                    | 0.2                     |
| EB – Con + WB – Trenching/Utilities  | 4.0                                       | 30.1        | 0.5                    | 0.1                     |
| EB – Con/Paving/AC + WB – Con  | 7.5                                       | 48.4        | 0.2                    | 0.2                     |
| EB – Con/Paving + WB – Con/Paving  | 6.0                                       | 63.5        | 0.1                    | 0.1                     |
| EB – Con + WB – Con/Paving/AC  | 7.5                                       | 48.4        | 0.2                    | 0.2                     |
| <b>LOCALIZED ANALYSIS</b>  |   |             |                        |                         |
| Maximum Localized Daily Emissions  | <b>7.5</b>                                | <b>63.5</b> | <b>1.1</b>             | <b>0.2</b>              |
| SRA 34 Localized Significance Threshold                                      | 170                                       | 972         | 7                      | 4                       |
| Exceed Localized Threshold?  | <b>No</b>                                 | <b>No</b>   | <b>No</b>              | <b>No</b>               |
| <b>SOURCE:</b> TAHA, 2022.   |   |             |                        |                         |

Regarding emissions of toxic air contaminants (TACs) and possible exposures of sensitive receptors to pollutant concentrations resulting from on-site equipment use, all off-road equipment with engines greater than 25 horsepower would meet or exceed the limits established by the United States Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB) for Tier 4 Final emissions standards, as described below. The analysis provided to support the IS/MND determined that construction of the proposed project would result in less than significant impacts related to exposure of nearby sensitive receptors to TAC concentrations (diesel particulate matter) based on a maximum incremental carcinogenic risk of 2.64 excess cancers per million, compared to the SCAQMD threshold of 10 per million (representing approximately 26.4 percent of the threshold). Although on-site emissions of diesel particulate matter would be higher during the extended trenching and excavation than the subsequent building construction phase, the extension of excavation and trenching activities from six to 10 weeks would not have the potential to result in an incremental increase in carcinogenic risk that would approach the SCAQMD threshold. Therefore, environmental impacts related to TAC concentrations at sensitive receptor locations would remain less than significant and no further analysis is required.

## **Construction – Best Management Practices**

All best management practices (BMPs) identified in the air quality analysis supporting the IS/MND would remain applicable to the proposed project with the design change. Construction of the proposed project would be conducted in accordance with provisions of the SCAQMD Rule Book, particularly Regulation IV – Prohibitions that contains elements including Rule 401 – Visible Emissions, Rule 402 – Nuisance, and Rule 403 – Fugitive Dust. During construction of the proposed project, the Applicant is committed to ensuring that the contractor(s) will adhere to the following BMPs to comply with SCAQMD regulations and to minimize emissions of O<sub>3</sub> precursors and particulate matter.

### ***Fugitive Dust Best Available Control Measures (Provisions of SCAQMD Rule 403, Amended 2005)***

- **Backfilling:** Backfill material stabilization when actively handling or inactive and stabilize soil at completion of activity.
- **Clearing/Grubbing:** Maintain stability of soil through watering of site prior to, during, and after all clearing/grubbing activities.
- **Cut and Fill:** Pre-water soils prior to cut and fill activities using water trucks; stabilize soil during and after activities.
- **Disturbed Soil:** Stabilize disturbed soil throughout the construction site by limiting vehicular traffic and disturbance on soil where possible and applying water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes (Rule 401 – Visible Emissions).
- **Disturbed Surface Areas:** Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface; apply water at least twice per day to at least 80 percent of the un-stabilized area.
- **Earth-Moving Activities:** Pre-apply water to depth of proposed cuts and reapply as necessary to maintain soils in a damp condition and to ensure that visible dust plumes do not exceed 100 feet in any direction.
- **Importing/Exporting of Bulk Materials:** Stabilize material with tarps or other suitable enclosures on trucks while loading/unloading to reduce fugitive dust emissions and maintain at least six inches of freeboard on haul vehicle; provide water during loading/unloading to prevent dust plumes.
- **Road Shoulder Maintenance:** Apply water to unpaved road shoulders prior to clearing and apply chemical dust suppressants or washed gravel to maintain stabilized surfaces; install curbing and/or paving of road shoulders.
- **Staging Areas:** Stabilize staging areas and limit vehicle speeds to 15 miles per hour.
- **Stockpiles/Bulk Material Handling:** stabilize stockpiled materials with intermittent watering and limit stockpiles to eight feet in height within 100 yards of off-site occupied buildings.
- **Trenching:** Stabilize surface soils with pre-watering where trencher or excavator and support equipment will operate; wash mud and soils from equipment at completion of activities.

### ***Clean Fleet Best Available Control Measures to Limit NO<sub>x</sub> and Particulate Matter Emissions***

- **Off-Road Diesel Internal Combustion Engine Equipment:** Require the employment of contractor(s) capable of providing an equipment fleet comprising all off-road diesel-powered construction equipment with engines greater than 25 horsepower that meet or exceed the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (USEPA) Tier 4 off-road emissions standards for NO<sub>x</sub> (0.26 g/bhp-hr.) and PM (0.008 g/bhp-hr.) during construction.

- Diesel-Fueled Off-Road Equipment and On-Road Trucks:** Ensure that all diesel-fueled construction equipment and vehicles would be maintained and operated within manufacturer’s specifications to limit unnecessary emissions during use, and limit idling of any in-use heavy duty diesel trucks to no more than five minutes in any particular location in accordance with CARB Airborne Toxic Control Measure 2485; and limit idling of any off-road equipment to no more than five minutes in accordance with the CARB In-use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation); additionally, truck drivers shall not operate a diesel-fueled auxiliary power system (APS) to power a heater, air conditioner, or any ancillary equipment during sleeping or resting for more than five minutes within 100 feet sensitive receptors.

## Operation

The proposed design change would not introduce any new sources of operational air pollutant emissions to the project site. The augmentation of the subterranean parking garage would not increase the daily vehicle trips traveling to and from the proposed project and would not increase the magnitude of any source of air pollutant emissions associated with proposed project operations. **Table 4** presents the daily operational air pollutant emissions that would occur when the proposed project opens in 2024. Regional emissions would remain substantially below applicable SCAQMD mass daily thresholds. Therefore, operational impacts would remain less than significant without mitigation.

| <b>TABLE 4: PROPOSED PROJECT OPERATIONAL EMISSIONS (2024)</b> |                                   |                       |             |                       |                        |                         |
|---|-----------------------------------|-----------------------|-------------|-----------------------|------------------------|-------------------------|
| <b>Operational Emissions Source</b>                           | <b>Daily Emissions (lbs./day)</b> |                       |             |                       |                        |                         |
|   | <b>VOC</b>                        | <b>NO<sub>x</sub></b> | <b>CO</b>   | <b>SO<sub>x</sub></b> | <b>PM<sub>10</sub></b> | <b>PM<sub>2.5</sub></b> |
| Area Sources  | 5.8                               | 0.3                   | 21.5        | <0.1                  | 0.1                    | 0.1                     |
| Energy Sources  | 0.1                               | 1.0                   | 0.4         | <0.1                  | 0.1                    | 0.1                     |
| Mobile Sources  | 3.1                               | 4.5                   | 37.7        | 0.1                   | 11.6                   | 3.1                     |
| <b>REGIONAL ANALYSIS</b>                                      |                                   |                       |             |                       |                        |                         |
| <b>Daily Operational Emissions</b>                            | <b>9.0</b>                        | <b>5.8</b>            | <b>59.6</b> | <b>0.1</b>            | <b>11.8</b>            | <b>3.3</b>              |
| Regional Threshold  | 55                                | 55                    | 550         | 150                   | 150                    | 55                      |
| <b>Exceed Threshold?</b>                                      | <b>No</b>                         | <b>No</b>             | <b>No</b>   | <b>No</b>             | <b>No</b>              | <b>No</b>               |
| <b>SOURCE:</b> TAHA, 2022.                                    |                                   |                       |             |                       |                        |                         |

## ENERGY

### Construction

The primary effect of the design change to the proposed project would be the additional hauling truck trips needed to export and dispose of the excavated material to accommodate the subterranean parking garage. A supplemental analysis was performed to evaluate the changes in estimated petroleum-based transportation fuels consumption during construction of the proposed project. The energy analysis supporting the IS/MND determined that construction of the proposed project would require approximately 193,255 gallons of diesel fuel (122,932 gallons associated with equipment use and 70,323 gallons associated with heavy-duty diesel trucks) and 98,858 gallons of motor gasoline for construction crew commuting. With the extended excavation and export activities resulting from the expanded subterranean parking garage, construction of the proposed project would require 203,714 gallons of diesel fuel (123,963 gallons of fuel for off-road equipment and 79,751 gallons of fuel for on-road vehicles) and 97,498 gallons of motor gasoline, as shown below in **Table 5**. Calculations are provided in **Attachment B**.

| <b>TABLE 5: PROPOSED PROJECT CONSTRUCTION PETROLEUM DEMAND</b> |                            |                                 |                |
|--|----------------------------|---------------------------------|----------------|
| <b>Fuel Type and End Use</b>                                   | <b>CO<sub>2</sub> (kg)</b> | <b>Gallons/kgCO<sub>2</sub></b> | <b>Gallons</b> |
| <b>DIESEL</b>  |                            |                                 |                |
| Equipment  | 1,265,656.6                | 0.098                           | 123,963        |
| Trucks   | 814,250.4                  | 0.098                           | 79,751         |
| <b>Total Diesel Consumption</b>                                |                            |                                 | <b>203,714</b> |
| <b>GASOLINE</b>  |                            |                                 |                |
| Worker Vehicles  | 856,027.3                  | 0.114                           | 97,498         |
| <b>Total Gasoline Consumption</b>                              |                            |                                 | <b>97,498</b>  |
| <b>SOURCE:</b> The Climate Registry, 2018; TAHA, 2022.         |                            |                                 |                |

The incremental change in transportation fuels consumption during construction activities relative to the quantities analyzed in the IS/MND would be approximately 10,459 additional gallons of diesel fuel and 1,360 fewer gallons of motor gasoline. The marginally lower motor gasoline consumption is attributed to a smaller workforce being required for excavation and trenching activities compared to building construction. The parking garage design change would result in approximately five percent more diesel fuel consumption and one percent less motor gasoline consumption than analyzed in the IS/MND. This incremental change in transportation fuels consumption would not result in a significant environmental impact for energy.

### Operations

Operation of the proposed project with the design change would require marginally more electricity consumption to provide lighting of the subterranean parking garage. No other changes to the operational energy analysis disclosed in the IS/MND would occur. The total annual electricity consumption for the proposed project analyzed in the IS/MND was approximately 1,594,787 kilowatt-hours (kWh) per year. The expansion of the subterranean parking garage from 265 spaces to 327 would result in a total annual operating demand of 1,714,685 kWh per year, an increase of 119,898 kWh (less than eight percent). The provision of additional electricity to meet the demands of the expanded parking garage would not result in a wasteful or inefficient use of energy resources and would not place an undue burden on existing grid capacity. Therefore, operation of the proposed project with the design change would result in a less than significant environmental impact related to energy resources.

## GREENHOUSE GAS EMISSIONS

### Construction

Similar to the analysis presented above for transportation fuels consumption, adjustments to the construction schedule as a result of the design change would result in marginal changes to the total amount of GHG emissions that would be generated during construction of the proposed project. The analysis presented in the IS/MND disclosed that construction of the proposed project would generate approximately 2,896.7 metric tons of carbon dioxide equivalents (MTCO<sub>2e</sub>), which equates to 96.7 MTCO<sub>2e</sub> amortized over a 30-year operational lifetime. The updated analysis accounting for additional excavation and export determined that construction of the proposed project with the design change would generate approximately 2,991.78 MTCO<sub>2e</sub>, which equates to 99.7 MTCO<sub>2e</sub> amortized over a 30-year operational lifetime. The design change would increase the total amount of construction GHG emissions by approximately 95.1 MTCO<sub>2e</sub> and would increase the amortized annual emissions by approximately 3.2 MTCO<sub>2e</sub>. The additional GHG emissions represent an increase of three percent relative to those previously analyzed, and the incremental increase would not result in a significant impact related to construction GHG emissions.

## Operations

As described above, operation of the proposed project with the design change would require marginally more electricity consumption to provide lighting of the subterranean parking garage, which would correlate with increased GHG emissions. **Table 6** presents the updated annual GHG emissions analysis, incorporating the revised quantity for amortized construction emissions. The design change would result in an increase in the annual energy source GHG emissions from 658.0 MTCO<sub>2e</sub> to 700.1 MTCO<sub>2e</sub>, an additional 42.1 MTCO<sub>2e</sub> per year (less than 1.5 percent of the project total), and annual GHG emissions would be approximately 2,935.3 MTCO<sub>2e</sub>. Implementation of the proposed project with the design change would not result in a significant environmental impact related to GHG emissions.

| <b>TABLE 6: ESTIMATED ANNUAL GREENHOUSE GAS EMISSIONS</b>                          |  |
|--|--|
| <b>Source Category</b>   | <b>Annual GHG Emissions (MTCO<sub>2e</sub> per Year)</b> |
| Amortized Construction Emissions (Direct)  | 99.7   |
| Area Source Emissions (Direct)   | 11.6   |
| Energy Source Emissions (Indirect)   | 700.1  |
| Mobile Source Emissions (Direct)   | 1,659.6  |
| Waste Disposal Emissions (Indirect)  | 304.7  |
| Water Supply & Wastewater Treatment (Indirect)                                     | 159.5  |
| <b>Total Annual GHG Emissions</b>  | <b>2,935.3</b>   |
| <b>SOURCE:</b> TAHA, 2022. Calculation files are provided in <b>Attachment A</b> . |  |

## NOISE AND VIBRATION

The haul truck noise calculations were revised to account for increased excavation to accommodate additional parking for the proposed project. The greatest number of hourly haul truck trips would occur during the excavation phase, which would require approximately 60 daily truck round trips (120 one-way trips) which would correlate to 20 haul trucks per hour during the AM Peak Hour. Haul trucks associated with construction activity would potentially increase noise levels along the haul route. The anticipated haul route is from Foothill Boulevard to the Interstate 15 freeway. Haul trucks could possibly exit along Etiwanda Avenue and turn left onto Foothill Boulevard to return to the Interstate 15 freeway. Haul truck noise levels would be considered significant if existing ambient noise levels increase by plus five dBA for a cumulative period of more than ten minutes in any one hour per Section 17.066.050 (C)(1)(b) of the RCMC.

Incremental increases in noise levels were estimated using the Federal Highway Administration's Traffic Noise Model (TNM) by adding haul truck volumes to Existing (2020) conditions along Foothill Boulevard and Etiwanda Avenue. Existing traffic volumes were obtained from the Alta Cuvee Mixed Use Project Traffic Impact Study prepared by Fehr and Peers.<sup>1</sup> As shown in **Table 7**, below, the addition of 20 haul truck trips per hour during the AM Peak Hour would result in a maximum incremental increase of 0.6 dBA. Although haul truck pass-by noise may result in temporary increases in noise, the hourly increase would be less than 5 dBA. Therefore, the proposed project would result in a less-than-significant impact related to haul truck noise. Noise calculations are provided in **Attachment C**.

<sup>1</sup>Fehr and Peers, *Alta Cuvee Mixed Use Project Traffic Impact Study*, October 2020.



**TABLE 7: REVISED HAUL TRUCK NOISE ANALYSIS**

| Roadway Segment  | Noise Level (dBA, L <sub>eq</sub> ) |                                  |            |
|--|-------------------------------------|----------------------------------|------------|
|  | Existing (2020)                     | Existing (2020) Plus Haul Trucks | Net Change |
| Foothill Blvd. between Etiwanda Ave. and Illex St.         | 70.1                                | 70.6                             | +0.5       |
| Foothills Blvd. between Sacred Heart Pl. and Etiwanda Ave. | 71.5                                | 72.1                             | +0.6       |
| Etiwanda Ave. between Arrow Route and Foothill Blvd.       | 67.8                                | 68.3                             | +0.5       |
| <b>SOURCE:</b> TAHA, 2022.                                 |                                     |                                  |            |

# **ATTACHMENT A**

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## California Emission Estimator Model (CalEEMod) Output Files

- Alta Cuvee Daily Output File – Winter
- Alta Cuvee Daily Output File – Summer
- Alta Cuvee Annual Output File
- Bus Bay Daily Output File – Winter
- Bus Bay Daily Output File – Summer
- Bus Bay Annual Output File

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**Alta Cuvee Mixed-Use Project**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                      | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|--------|---------------|-------------|--------------------|------------|
| General Office Building        | 5.54   | 1000sqft      | 0.13        | 5,537.00           | 0          |
| Enclosed Parking with Elevator | 330.00 | Space         | 0.00        | 111,850.00         | 0          |
| Parking Lot                    | 200.00 | Space         | 1.80        | 64,690.00          | 0          |
| City Park                      | 0.33   | Acre          | 0.33        | 14,375.00          | 0          |
| Recreational Swimming Pool     | 3.58   | 1000sqft      | 0.00        | 3,572.00           | 0          |
| Apartments Mid Rise            | 259.00 | Dwelling Unit | 3.00        | 225,079.00         | 785        |
| Condo/Townhouse                | 1.00   | Dwelling Unit | 0.00        | 1,570.00           | 3          |
| Strip Mall                     | 2.44   | 1000sqft      | 0.00        | 2,436.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RCMU 2020 Power Content Label for CO2e Intensity: 630 lbCO2e/MWh

Land Use - Project Design Land Uses:  
 Apartments: 226,649 SF (Includes Live/Work Unit)  
 Retail: 2,436 SF

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Sub. Parking: ~11,850 SF

Sfc. Parking: 64,690 SF

Leasing Office: 5,537 SF

Construction Phase - Schedule Provided by Applicant.

Site Preparation = Grading - East Building

Grading = Grading - West Building

Off-road Equipment - Project Equipment Inventory Provided by Applicant

Off-road Equipment - Project Inventory Provided by Applicant

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

"Grading" - West Grading

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment -

Off-road Equipment - Project Inventory provided by Applicant.

"Site Preparation" = East Grading

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Trips and VMT - 60 haul loads per day during excavation/trenching extrapolated for entire phases.

Up to 20 vendor deliveries per day during construction.

Approximately 50-300 workers on-site during construction.

Grading - 50,080 total exported (60% for West Bldg, 40% for East Bldg.)

Architectural Coating - SCAQMD Rule 1113 Compliance for Building Envelope and residential coatings - 50 g/L

Vehicle Trips - 1,420 daily residential trips/259 apartments = 5.483 trips/du

83 daily shopping trips/2.436 ksf = 34.08trips/ksf

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No Fireplaces in units per Project Design

1 Outdoor Fireplace Included

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Area Coating - SCAQMD Rule 1113 Compliance for Building Envelope coatings: 50 g/L

Energy Use - Updated to 2019 Title 24 Energy Factors (CAPCOA, 2020)

Water And Wastewater - MND Estimated Project Water Use: Residential: 66,560 gal/day; Non-residential: 8,164 gal/day

Solid Waste - Waste Generation from MND Calculations: 12.23 lb/DU/day x 260 DU x 365 days/yr = 580.3135 tons solid waste

Construction Off-road Equipment Mitigation - Best management practices to comply with SCAQMD Rule 403 include watering exposed areas thrice daily.

Mobile Land Use Mitigation - Electric Vehicle Charging Provided (Not Quantified)

Area Mitigation - SCAQMD Rule 1113 Compliance for Building Envelop  
Project Design does not include hearths/fireplaces in units, only 1 outdoor fireplace.

Energy Mitigation - High-Efficiency Appliances.

Water Mitigation -

Fleet Mix - Residential Trips

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 100           | 50        |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 6.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |

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|                         |                            |           |              |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 3.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 4.00         |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 230.00    | 534.00       |
| tblConstructionPhase    | NumDays                    | 230.00    | 378.00       |
| tblConstructionPhase    | NumDays                    | 20.00     | 12.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 24.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 18.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 96.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 108.00       |
| tblConstructionPhase    | NumDays                    | 10.00     | 36.00        |
| tblConstructionPhase    | NumDays                    | 10.00     | 24.00        |

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|                      |                   |           |           |
|----------------------|-------------------|-----------|-----------|
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblEnergyUse         | T24E              | 772.17    | 164.47    |
| tblEnergyUse         | T24E              | 845.95    | 177.65    |
| tblEnergyUse         | T24E              | 3.92      | 3.50      |
| tblEnergyUse         | T24E              | 3.07      | 2.74      |
| tblEnergyUse         | T24E              | 4.58      | 4.09      |
| tblEnergyUse         | T24NG             | 8,764.08  | 8,352.00  |
| tblEnergyUse         | T24NG             | 16,633.53 | 15,070.00 |
| tblEnergyUse         | T24NG             | 3.47      | 3.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 0.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 365.00    |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 0.00      |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 6.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | NumberGas         | 220.15    | 0.00      |
| tblFireplaces        | NumberGas         | 0.85      | 1.00      |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|               |                   |             |             |
|---------------|-------------------|-------------|-------------|
| tblFireplaces | NumberNoFireplace | 25.90       | 0.00        |
| tblFireplaces | NumberNoFireplace | 0.10        | 0.00        |
| tblFireplaces | NumberWood        | 12.95       | 0.00        |
| tblFireplaces | NumberWood        | 0.05        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | SBUS              | 7.9900e-004 | 0.00        |



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|                     |                            |             |            |
|---------------------|----------------------------|-------------|------------|
| tblFleetMix         | SBUS                       | 7.9900e-004 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblGrading          | MaterialExported           | 0.00        | 30,048.00  |
| tblGrading          | MaterialExported           | 0.00        | 20,032.00  |
| tblLandUse          | LandUseSquareFeet          | 5,540.00    | 5,537.00   |
| tblLandUse          | LandUseSquareFeet          | 132,000.00  | 111,850.00 |
| tblLandUse          | LandUseSquareFeet          | 80,000.00   | 64,690.00  |
| tblLandUse          | LandUseSquareFeet          | 14,374.80   | 14,375.00  |
| tblLandUse          | LandUseSquareFeet          | 3,580.00    | 3,572.00   |
| tblLandUse          | LandUseSquareFeet          | 259,000.00  | 225,079.00 |
| tblLandUse          | LandUseSquareFeet          | 1,000.00    | 1,570.00   |
| tblLandUse          | LandUseSquareFeet          | 2,440.00    | 2,436.00   |
| tblLandUse          | LotAcreage                 | 2.97        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.08        | 0.00       |
| tblLandUse          | LotAcreage                 | 6.82        | 3.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | Population                 | 741.00      | 785.00     |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00        | 1.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00        | 1.00       |

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|                           |                            |          |          |
|---------------------------|----------------------------|----------|----------|
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00     | 1.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44   | 627.49   |
| tblSolidWaste             | SolidWasteGenerationRate   | 119.14   | 580.32   |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.03     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.46     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 20.41    | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 2.56     | 20.45    |
| tblTripsAndVMT            | HaulingTripNumber          | 3,756.00 | 4,320.00 |
| tblTripsAndVMT            | HaulingTripNumber          | 2,504.00 | 2,880.00 |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblVehicleTrips           | CC_TL                      | 8.40     | 10.06    |

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|                 |        |       |        |
|-----------------|--------|-------|--------|
| tblVehicleTrips | CNW_TL | 6.90  | 10.06  |
| tblVehicleTrips | CW_TL  | 16.60 | 10.06  |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 40.00 | 0.00   |
| tblVehicleTrips | HO_TL  | 8.70  | 10.06  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HS_TL  | 5.90  | 10.06  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HW_TL  | 14.70 | 10.06  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 15.00 | 0.00   |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 45.00 | 100.00 |
| tblVehicleTrips | ST_TR  | 6.39  | 5.48   |
| tblVehicleTrips | ST_TR  | 22.75 | 0.00   |
| tblVehicleTrips | ST_TR  | 5.67  | 0.00   |
| tblVehicleTrips | ST_TR  | 2.46  | 0.00   |
| tblVehicleTrips | ST_TR  | 9.10  | 0.00   |
| tblVehicleTrips | ST_TR  | 42.04 | 34.08  |
| tblVehicleTrips | SU_TR  | 5.86  | 5.48   |

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|                 |                     |               |               |
|-----------------|---------------------|---------------|---------------|
| tblVehicleTrips | SU_TR               | 16.74         | 0.00          |
| tblVehicleTrips | SU_TR               | 4.84          | 0.00          |
| tblVehicleTrips | SU_TR               | 1.05          | 0.00          |
| tblVehicleTrips | SU_TR               | 13.60         | 0.00          |
| tblVehicleTrips | SU_TR               | 20.43         | 34.08         |
| tblVehicleTrips | WD_TR               | 6.65          | 5.48          |
| tblVehicleTrips | WD_TR               | 1.89          | 0.00          |
| tblVehicleTrips | WD_TR               | 5.81          | 0.00          |
| tblVehicleTrips | WD_TR               | 11.03         | 0.00          |
| tblVehicleTrips | WD_TR               | 33.82         | 0.00          |
| tblVehicleTrips | WD_TR               | 44.32         | 34.08         |
| tblWater        | IndoorWaterUseRate  | 16,874,892.64 | 24,294,400.00 |
| tblWater        | IndoorWaterUseRate  | 65,154.03     | 0.00          |
| tblWater        | IndoorWaterUseRate  | 984,644.96    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 211,732.46    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 180,736.95    | 2,979,860.00  |
| tblWater        | OutdoorWaterUseRate | 603,492.07    | 0.00          |
| tblWater        | OutdoorWaterUseRate | 110,774.26    | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 12.95         | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 0.05          | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 12.95         | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 0.05          | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

## **2.0 Emissions Summary**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                    |                    |               |               |                    |
| 2022           | 4.7747         | 59.7234        | 39.8050        | 0.1713        | 6.1937        | 1.6063        | 7.7189        | 1.4897         | 1.5015        | 2.9190        | 0.0000        | 17,560.0185        | 17,560.0185        | 1.8659        | 0.0000        | 17,606.6654        |
| 2023           | 26.8884        | 50.2362        | 71.2922        | 0.1725        | 6.3900        | 1.7731        | 8.1631        | 1.7179         | 1.6728        | 3.3907        | 0.0000        | 17,120.5191        | 17,120.5191        | 2.4140        | 0.0000        | 17,180.8698        |
| 2024           | 3.4508         | 23.0855        | 37.6475        | 0.0984        | 4.9834        | 0.6558        | 5.6392        | 1.3333         | 0.6389        | 1.9722        | 0.0000        | 9,745.4423         | 9,745.4423         | 0.8285        | 0.0000        | 9,766.1539         |
| <b>Maximum</b> | <b>26.8884</b> | <b>59.7234</b> | <b>71.2922</b> | <b>0.1725</b> | <b>6.3900</b> | <b>1.7731</b> | <b>8.1631</b> | <b>1.7179</b>  | <b>1.6728</b> | <b>3.3907</b> | <b>0.0000</b> | <b>17,560.0185</b> | <b>17,560.0185</b> | <b>2.4140</b> | <b>0.0000</b> | <b>17,606.6654</b> |

**Mitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                    |                    |               |               |                    |
| 2022           | 2.6166         | 33.4220        | 44.6779        | 0.1713        | 5.4892        | 0.1629        | 5.6521        | 1.4112         | 0.1585        | 1.5697        | 0.0000        | 17,560.0185        | 17,560.0185        | 1.8659        | 0.0000        | 17,606.6654        |
| 2023           | 24.9337        | 18.4162        | 79.8744        | 0.1725        | 6.3900        | 0.2640        | 6.5710        | 1.7179         | 0.2610        | 1.9052        | 0.0000        | 17,120.5191        | 17,120.5191        | 2.4140        | 0.0000        | 17,180.8698        |
| 2024           | 2.3453         | 10.1109        | 40.8203        | 0.0984        | 4.9834        | 0.0949        | 5.0783        | 1.3333         | 0.0925        | 1.4258        | 0.0000        | 9,745.4423         | 9,745.4423         | 0.8285        | 0.0000        | 9,766.1539         |
| <b>Maximum</b> | <b>24.9337</b> | <b>33.4220</b> | <b>79.8744</b> | <b>0.1725</b> | <b>6.3900</b> | <b>0.2640</b> | <b>6.5710</b> | <b>1.7179</b>  | <b>0.2610</b> | <b>1.9052</b> | <b>0.0000</b> | <b>17,560.0185</b> | <b>17,560.0185</b> | <b>2.4140</b> | <b>0.0000</b> | <b>17,606.6654</b> |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|                   | ROG   | NOx   | CO     | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|-------|-------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 14.86 | 53.44 | -11.18 | 0.00 | 4.01          | 87.07        | 19.61      | 1.73           | 86.57         | 40.83       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day        |               |                |               |                |               |                |                |               |               | lb/day        |                    |                    |               |               |                    |
| Area         | 5.7822        | 0.2807        | 21.5107        | 1.3500e-003   |                | 0.1217        | 0.1217         |                | 0.1217        | 0.1217        | 0.0000        | 81.0951            | 81.0951            | 0.0382        | 7.8000e-004   | 82.2810            |
| Energy       | 0.1113        | 0.9517        | 0.4074         | 6.0700e-003   |                | 0.0769        | 0.0769         |                | 0.0769        | 0.0769        |               | 1,214.5228         | 1,214.5228         | 0.0233        | 0.0223        | 1,221.7401         |
| Mobile       | 2.6354        | 4.5070        | 32.1296        | 0.0986        | 11.5219        | 0.0738        | 11.5957        | 3.0591         | 0.0683        | 3.1273        |               | 9,851.1207         | 9,851.1207         | 0.3569        |               | 9,860.0423         |
| <b>Total</b> | <b>8.5289</b> | <b>5.7395</b> | <b>54.0477</b> | <b>0.1060</b> | <b>11.5219</b> | <b>0.2725</b> | <b>11.7944</b> | <b>3.0591</b>  | <b>0.2669</b> | <b>3.3260</b> | <b>0.0000</b> | <b>11,146.7386</b> | <b>11,146.7386</b> | <b>0.4183</b> | <b>0.0231</b> | <b>11,164.0634</b> |

**Mitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day        |               |                |               |                |               |                |                |               |               | lb/day        |                    |                    |               |               |                    |
| Area         | 5.7822        | 0.2807        | 21.5107        | 1.3500e-003   |                | 0.1217        | 0.1217         |                | 0.1217        | 0.1217        | 0.0000        | 81.0951            | 81.0951            | 0.0382        | 7.8000e-004   | 82.2810            |
| Energy       | 0.1113        | 0.9517        | 0.4074         | 6.0700e-003   |                | 0.0769        | 0.0769         |                | 0.0769        | 0.0769        |               | 1,214.5228         | 1,214.5228         | 0.0233        | 0.0223        | 1,221.7401         |
| Mobile       | 2.6354        | 4.5070        | 32.1296        | 0.0986        | 11.5219        | 0.0738        | 11.5957        | 3.0591         | 0.0683        | 3.1273        |               | 9,851.1207         | 9,851.1207         | 0.3569        |               | 9,860.0423         |
| <b>Total</b> | <b>8.5289</b> | <b>5.7395</b> | <b>54.0477</b> | <b>0.1060</b> | <b>11.5219</b> | <b>0.2725</b> | <b>11.7944</b> | <b>3.0591</b>  | <b>0.2669</b> | <b>3.3260</b> | <b>0.0000</b> | <b>11,146.7386</b> | <b>11,146.7386</b> | <b>0.4183</b> | <b>0.0231</b> | <b>11,164.0634</b> |



## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name                          | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition                          | Demolition            | 3/5/2022   | 3/18/2022  | 6             | 12       |                   |
| 2            | Site Preparation                    | Grading               | 4/4/2022   | 4/30/2022  | 6             | 24       |                   |
| 3            | Trenching/Utilities - East Building | Site Preparation      | 5/2/2022   | 6/11/2022  | 6             | 36       |                   |
| 4            | Construction - East Building        | Building Construction | 6/13/2022  | 2/24/2024  | 6             | 534      |                   |
| 5            | Grading                             | Grading               | 11/7/2022  | 11/26/2022 | 6             | 18       |                   |
| 6            | Trenching/Utilities - West Building | Site Preparation      | 11/28/2022 | 12/24/2022 | 6             | 24       |                   |
| 7            | Construction - West Building        | Building Construction | 12/26/2022 | 3/9/2024   | 6             | 378      |                   |
| 8            | Paving - East Building              | Paving                | 5/8/2023   | 9/9/2023   | 6             | 108      |                   |
| 9            | Architectural Coatings - East Bldg  | Architectural Coating | 5/8/2023   | 7/29/2023  | 6             | 72       |                   |
| 10           | Paving - West Building              | Paving                | 8/7/2023   | 11/25/2023 | 6             | 96       |                   |
| 11           | Architectural Coatings - West Bldg  | Architectural Coating | 9/11/2023  | 12/2/2023  | 6             | 72       |                   |

**Acres of Grading (Site Preparation Phase): 60**

**Acres of Grading (Grading Phase): 45**

**Acres of Paving: 1.8**

**Residential Indoor: 458,964; Residential Outdoor: 152,988; Non-Residential Indoor: 11,960; Non-Residential Outdoor: 3,987; Striped Parking Area: 10,592 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

| Phase Name                          | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition                          | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition                          | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Demolition                          | Generator Sets            | 2      | 4.00        | 84          | 0.74        |
| Demolition                          | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Site Preparation                    | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Site Preparation                    | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Site Preparation                    | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Site Preparation                    | Scrapers                  | 1      | 8.00        | 367         | 0.48        |
| Trenching/Utilities - East Building | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Trenching/Utilities - East Building | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Trenching/Utilities - East Building | Trenchers                 | 2      | 8.00        | 78          | 0.50        |
| Construction - East Building        | Aerial Lifts              | 2      | 7.00        | 63          | 0.31        |
| Construction - East Building        | Generator Sets            | 2      | 8.00        | 84          | 0.74        |
| Construction - East Building        | Rough Terrain Forklifts   | 2      | 8.00        | 100         | 0.40        |
| Grading                             | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Grading                             | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading                             | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Grading                             | Scrapers                  | 1      | 8.00        | 367         | 0.48        |
| Trenching/Utilities - West Building | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Trenching/Utilities - West Building | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Trenching/Utilities - West Building | Trenchers                 | 2      | 8.00        | 78          | 0.50        |
| Construction - West Building        | Generator Sets            | 2      | 8.00        | 84          | 0.74        |
| Construction - West Building        | Rough Terrain Forklifts   | 2      | 8.00        | 100         | 0.40        |
| Paving - East Building              | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving - East Building              | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving - East Building              | Rollers                   | 2      | 8.00        | 80          | 0.38        |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|                                    |                  |   |      |     |      |
|------------------------------------|------------------|---|------|-----|------|
| Architectural Coatings - East Bldg | Air Compressors  | 5 | 8.00 | 15  | 0.48 |
| Paving - West Building             | Pavers           | 2 | 8.00 | 130 | 0.42 |
| Paving - West Building             | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving - West Building             | Rollers          | 2 | 8.00 | 80  | 0.38 |
| Architectural Coatings - West Bldg | Air Compressors  | 5 | 8.00 | 15  | 0.48 |

**Trips and VMT**

| Phase Name                          | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition                          | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation                    | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - East Building | 5                       | 40.00              | 0.00               | 4,320.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - East Building        | 6                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                             | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - West Building | 5                       | 40.00              | 0.00               | 2,880.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - West Building        | 4                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - East Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - East Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - West Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - West Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0548        | 9.1820        | 12.8337        | 0.0211        |               | 0.4731        | 0.4731        |                | 0.4590        | 0.4590        |          | 2,016.9534        | 2,016.9534        | 0.3211        |     | 2,024.9802        |
| <b>Total</b> | <b>1.0548</b> | <b>9.1820</b> | <b>12.8337</b> | <b>0.0211</b> |               | <b>0.4731</b> | <b>0.4731</b> |                | <b>0.4590</b> | <b>0.4590</b> |          | <b>2,016.9534</b> | <b>2,016.9534</b> | <b>0.3211</b> |     | <b>2,024.9802</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2299        | 0.9961        | 14.1751        | 0.0211        |               | 0.0307        | 0.0307        |                | 0.0307        | 0.0307        | 0.0000        | 2,016.9534        | 2,016.9534        | 0.3211        |     | 2,024.9802        |
| <b>Total</b> | <b>0.2299</b> | <b>0.9961</b> | <b>14.1751</b> | <b>0.0211</b> |               | <b>0.0307</b> | <b>0.0307</b> |                | <b>0.0307</b> | <b>0.0307</b> | <b>0.0000</b> | <b>2,016.9534</b> | <b>2,016.9534</b> | <b>0.3211</b> |     | <b>2,024.9802</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 2.6513        | 0.0000        | 2.6513        | 0.2863         | 0.0000        | 0.2863        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.5506        | 29.6686        | 16.4479        | 0.0427        |               | 1.1687        | 1.1687        |                | 1.0752        | 1.0752        |          | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>2.5506</b> | <b>29.6686</b> | <b>16.4479</b> | <b>0.0427</b> | <b>2.6513</b> | <b>1.1687</b> | <b>3.8199</b> | <b>0.2863</b>  | <b>1.0752</b> | <b>1.3615</b> |          | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |               |                |               | 1.0340        | 0.0000        | 1.0340        | 0.1117         | 0.0000        | 0.1117        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.5248        | 2.2742        | 20.8520        | 0.0427        |               | 0.0700        | 0.0700        |                | 0.0700        | 0.0700        | 0.0000        | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>0.5248</b> | <b>2.2742</b> | <b>20.8520</b> | <b>0.0427</b> | <b>1.0340</b> | <b>0.0700</b> | <b>1.1040</b> | <b>0.1117</b>  | <b>0.0700</b> | <b>0.1816</b> | <b>0.0000</b> | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.4 Trenching/Utilities - East Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.1549        | 0.0000        | 1.1549        | 0.1288         | 0.0000        | 0.1288        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.8763        | 20.4507        | 12.0655        | 0.0255        |               | 1.0225        | 1.0225        |                | 0.9407        | 0.9407        |          | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>1.8763</b> | <b>20.4507</b> | <b>12.0655</b> | <b>0.0255</b> | <b>1.1549</b> | <b>1.0225</b> | <b>2.1774</b> | <b>0.1288</b>  | <b>0.9407</b> | <b>1.0695</b> |          | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.7049        | 25.1471        | 4.6850        | 0.0897        | 2.1000        | 0.0651        | 2.1651        | 0.5757         | 0.0623        | 0.6380        |          | 9,532.8778        | 9,532.8778        | 0.5629        |     | 9,546.9508        |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.1907        | 0.1188         | 1.2457        | 3.8000e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 378.4584          | 378.4584          | 9.8100e-003   |     | 378.7036          |
| <b>Total</b> | <b>0.8956</b> | <b>25.2659</b> | <b>5.9307</b> | <b>0.0935</b> | <b>2.5471</b> | <b>0.0679</b> | <b>2.6149</b> | <b>0.6943</b>  | <b>0.0648</b> | <b>0.7591</b> |          | <b>9,911.3362</b> | <b>9,911.3362</b> | <b>0.5727</b> |     | <b>9,925.6544</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.4 Trenching/Utilities - East Building - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 0.4504        | 0.0000        | 0.4504        | 0.0502         | 0.0000        | 0.0502        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.3135        | 1.3583        | 14.5064        | 0.0255        |               | 0.0418        | 0.0418        |                | 0.0418        | 0.0418        | 0.0000        | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>0.3135</b> | <b>1.3583</b> | <b>14.5064</b> | <b>0.0255</b> | <b>0.4504</b> | <b>0.0418</b> | <b>0.4922</b> | <b>0.0502</b>  | <b>0.0418</b> | <b>0.0920</b> | <b>0.0000</b> | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.7049        | 25.1471        | 4.6850        | 0.0897        | 2.1000        | 0.0651        | 2.1651        | 0.5757         | 0.0623        | 0.6380        |          | 9,532.8778        | 9,532.8778        | 0.5629        |     | 9,546.9508        |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.1907        | 0.1188         | 1.2457        | 3.8000e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 378.4584          | 378.4584          | 9.8100e-003   |     | 378.7036          |
| <b>Total</b> | <b>0.8956</b> | <b>25.2659</b> | <b>5.9307</b> | <b>0.0935</b> | <b>2.5471</b> | <b>0.0679</b> | <b>2.6149</b> | <b>0.6943</b>  | <b>0.0648</b> | <b>0.7591</b> |          | <b>9,911.3362</b> | <b>9,911.3362</b> | <b>0.5727</b> |     | <b>9,925.6544</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.9468        | 9.7976        | 13.8431        | 0.0230        |               | 0.4153        | 0.4153        |                | 0.4055        | 0.4055        |          | 2,198.1628        | 2,198.1628        | 0.3671        |     | 2,207.3410        |
| <b>Total</b> | <b>0.9468</b> | <b>9.7976</b> | <b>13.8431</b> | <b>0.0230</b> |               | <b>0.4153</b> | <b>0.4153</b> |                | <b>0.4055</b> | <b>0.4055</b> |          | <b>2,198.1628</b> | <b>2,198.1628</b> | <b>0.3671</b> |     | <b>2,207.3410</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1024        | 3.6155        | 0.7882        | 0.0103        | 0.2562        | 5.7200e-003   | 0.2619        | 0.0738         | 5.4700e-003   | 0.0792        |          | 1,085.0250        | 1,085.0250        | 0.0771        |     | 1,086.9524        |
| Worker       | 0.9535        | 0.5937        | 6.2284        | 0.0190        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 1,892.2920        | 1,892.2920        | 0.0490        |     | 1,893.5180        |
| <b>Total</b> | <b>1.0559</b> | <b>4.2092</b> | <b>7.0166</b> | <b>0.0293</b> | <b>2.4917</b> | <b>0.0196</b> | <b>2.5113</b> | <b>0.6666</b>  | <b>0.0183</b> | <b>0.6849</b> |          | <b>2,977.3170</b> | <b>2,977.3170</b> | <b>0.1261</b> |     | <b>2,980.4704</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.1628        | 2,198.1628        | 0.3671        |     | 2,207.3410        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.1628</b> | <b>2,198.1628</b> | <b>0.3671</b> |     | <b>2,207.3410</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1024        | 3.6155        | 0.7882        | 0.0103        | 0.2562        | 5.7200e-003   | 0.2619        | 0.0738         | 5.4700e-003   | 0.0792        |          | 1,085.0250        | 1,085.0250        | 0.0771        |     | 1,086.9524        |
| Worker       | 0.9535        | 0.5937        | 6.2284        | 0.0190        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 1,892.2920        | 1,892.2920        | 0.0490        |     | 1,893.5180        |
| <b>Total</b> | <b>1.0559</b> | <b>4.2092</b> | <b>7.0166</b> | <b>0.0293</b> | <b>2.4917</b> | <b>0.0196</b> | <b>2.5113</b> | <b>0.6666</b>  | <b>0.0183</b> | <b>0.6849</b> |          | <b>2,977.3170</b> | <b>2,977.3170</b> | <b>0.1261</b> |     | <b>2,980.4704</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.8839        | 9.1631        | 13.8243        | 0.0230        |               | 0.3626        | 0.3626        |                | 0.3541        | 0.3541        |          | 2,198.2608        | 2,198.2608        | 0.3628        |     | 2,207.3301        |
| <b>Total</b> | <b>0.8839</b> | <b>9.1631</b> | <b>13.8243</b> | <b>0.0230</b> |               | <b>0.3626</b> | <b>0.3626</b> |                | <b>0.3541</b> | <b>0.3541</b> |          | <b>2,198.2608</b> | <b>2,198.2608</b> | <b>0.3628</b> |     | <b>2,207.3301</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003   | 0.2590        | 0.0738         | 2.7100e-003   | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.8947        | 0.5344        | 5.7101        | 0.0183        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 1,821.2668        | 1,821.2668        | 0.0440        |     | 1,822.3657        |
| <b>Total</b> | <b>0.9719</b> | <b>3.3287</b> | <b>6.3806</b> | <b>0.0283</b> | <b>2.4917</b> | <b>0.0163</b> | <b>2.5080</b> | <b>0.6666</b>  | <b>0.0151</b> | <b>0.6818</b> |          | <b>2,876.8602</b> | <b>2,876.8602</b> | <b>0.1057</b> |     | <b>2,879.5033</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.2608        | 2,198.2608        | 0.3628        |     | 2,207.3301        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.2608</b> | <b>2,198.2608</b> | <b>0.3628</b> |     | <b>2,207.3301</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003   | 0.2590        | 0.0738         | 2.7100e-003   | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.8947        | 0.5344        | 5.7101        | 0.0183        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 1,821.2668        | 1,821.2668        | 0.0440        |     | 1,822.3657        |
| <b>Total</b> | <b>0.9719</b> | <b>3.3287</b> | <b>6.3806</b> | <b>0.0283</b> | <b>2.4917</b> | <b>0.0163</b> | <b>2.5080</b> | <b>0.6666</b>  | <b>0.0151</b> | <b>0.6818</b> |          | <b>2,876.8602</b> | <b>2,876.8602</b> | <b>0.1057</b> |     | <b>2,879.5033</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.8354        | 8.7106        | 13.8183        | 0.0230        |               | 0.3197        | 0.3197        |                | 0.3118        | 0.3118        |          | 2,198.1263        | 2,198.1263        | 0.3584        |     | 2,207.0849        |
| <b>Total</b> | <b>0.8354</b> | <b>8.7106</b> | <b>13.8183</b> | <b>0.0230</b> |               | <b>0.3197</b> | <b>0.3197</b> |                | <b>0.3118</b> | <b>0.3118</b> |          | <b>2,198.1263</b> | <b>2,198.1263</b> | <b>0.3584</b> |     | <b>2,207.0849</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0761        | 2.8087        | 0.6463        | 9.9900e-003   | 0.2562        | 2.8200e-003   | 0.2590        | 0.0738         | 2.6900e-003   | 0.0765        |          | 1,054.6623        | 1,054.6623        | 0.0618        |     | 1,056.2063        |
| Worker       | 0.8442        | 0.4839        | 5.3154        | 0.0177        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,762.2250        | 1,762.2250        | 0.0401        |     | 1,763.2286        |
| <b>Total</b> | <b>0.9203</b> | <b>3.2927</b> | <b>5.9617</b> | <b>0.0277</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6816</b> |          | <b>2,816.8872</b> | <b>2,816.8872</b> | <b>0.1019</b> |     | <b>2,819.4349</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.5 Construction - East Building - 2024**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.1263        | 2,198.1263        | 0.3584        |     | 2,207.0849        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.1263</b> | <b>2,198.1263</b> | <b>0.3584</b> |     | <b>2,207.0849</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0761        | 2.8087        | 0.6463        | 9.9900e-003   | 0.2562        | 2.8200e-003   | 0.2590        | 0.0738         | 2.6900e-003   | 0.0765        |          | 1,054.6623        | 1,054.6623        | 0.0618        |     | 1,056.2063        |
| Worker       | 0.8442        | 0.4839        | 5.3154        | 0.0177        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,762.2250        | 1,762.2250        | 0.0401        |     | 1,763.2286        |
| <b>Total</b> | <b>0.9203</b> | <b>3.2927</b> | <b>5.9617</b> | <b>0.0277</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6816</b> |          | <b>2,816.8872</b> | <b>2,816.8872</b> | <b>0.1019</b> |     | <b>2,819.4349</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.6 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 2.6513        | 0.0000        | 2.6513        | 0.2863         | 0.0000        | 0.2863        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.5506        | 29.6686        | 16.4479        | 0.0427        |               | 1.1687        | 1.1687        |                | 1.0752        | 1.0752        |          | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>2.5506</b> | <b>29.6686</b> | <b>16.4479</b> | <b>0.0427</b> | <b>2.6513</b> | <b>1.1687</b> | <b>3.8199</b> | <b>0.2863</b>  | <b>1.0752</b> | <b>1.3615</b> |          | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.6 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |               |                |               | 1.0340        | 0.0000        | 1.0340        | 0.1117         | 0.0000        | 0.1117        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.5248        | 2.2742        | 20.8520        | 0.0427        |               | 0.0700        | 0.0700        |                | 0.0700        | 0.0700        | 0.0000        | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>0.5248</b> | <b>2.2742</b> | <b>20.8520</b> | <b>0.0427</b> | <b>1.0340</b> | <b>0.0700</b> | <b>1.1040</b> | <b>0.1117</b>  | <b>0.0700</b> | <b>0.1816</b> | <b>0.0000</b> | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1907        | 0.1188        | 1.2457        | 3.8000e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 378.4584        | 378.4584        | 9.8100e-003        |     | 378.7036        |
| <b>Total</b> | <b>0.1907</b> | <b>0.1188</b> | <b>1.2457</b> | <b>3.8000e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>378.4584</b> | <b>378.4584</b> | <b>9.8100e-003</b> |     | <b>378.7036</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.7 Trenching/Utilities - West Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.1549        | 0.0000        | 1.1549        | 0.1288         | 0.0000        | 0.1288        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.8763        | 20.4507        | 12.0655        | 0.0255        |               | 1.0225        | 1.0225        |                | 0.9407        | 0.9407        |          | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>1.8763</b> | <b>20.4507</b> | <b>12.0655</b> | <b>0.0255</b> | <b>1.1549</b> | <b>1.0225</b> | <b>2.1774</b> | <b>0.1288</b>  | <b>0.9407</b> | <b>1.0695</b> |          | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.7049        | 25.1471        | 4.6850        | 0.0897        | 2.1000        | 0.0651        | 2.1651        | 0.5757         | 0.0623        | 0.6380        |          | 9,532.8778        | 9,532.8778        | 0.5629        |     | 9,546.9508        |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.1907        | 0.1188         | 1.2457        | 3.8000e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 378.4584          | 378.4584          | 9.8100e-003   |     | 378.7036          |
| <b>Total</b> | <b>0.8956</b> | <b>25.2659</b> | <b>5.9307</b> | <b>0.0935</b> | <b>2.5471</b> | <b>0.0679</b> | <b>2.6149</b> | <b>0.6943</b>  | <b>0.0648</b> | <b>0.7591</b> |          | <b>9,911.3362</b> | <b>9,911.3362</b> | <b>0.5727</b> |     | <b>9,925.6544</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.7 Trenching/Utilities - West Building - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 0.4504        | 0.0000        | 0.4504        | 0.0502         | 0.0000        | 0.0502        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.3135        | 1.3583        | 14.5064        | 0.0255        |               | 0.0418        | 0.0418        |                | 0.0418        | 0.0418        | 0.0000        | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>0.3135</b> | <b>1.3583</b> | <b>14.5064</b> | <b>0.0255</b> | <b>0.4504</b> | <b>0.0418</b> | <b>0.4922</b> | <b>0.0502</b>  | <b>0.0418</b> | <b>0.0920</b> | <b>0.0000</b> | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.7049        | 25.1471        | 4.6850        | 0.0897        | 2.1000        | 0.0651        | 2.1651        | 0.5757         | 0.0623        | 0.6380        |          | 9,532.8778        | 9,532.8778        | 0.5629        |     | 9,546.9508        |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.1907        | 0.1188         | 1.2457        | 3.8000e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 378.4584          | 378.4584          | 9.8100e-003   |     | 378.7036          |
| <b>Total</b> | <b>0.8956</b> | <b>25.2659</b> | <b>5.9307</b> | <b>0.0935</b> | <b>2.5471</b> | <b>0.0679</b> | <b>2.6149</b> | <b>0.6943</b>  | <b>0.0648</b> | <b>0.7591</b> |          | <b>9,911.3362</b> | <b>9,911.3362</b> | <b>0.5727</b> |     | <b>9,925.6544</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8837        | 8.8171        | 11.9287        | 0.0201        |               | 0.3971        | 0.3971        |                | 0.3888        | 0.3888        |          | 1,913.578<br>1         | 1,913.578<br>1         | 0.2751        |     | 1,920.455<br>3         |
| <b>Total</b> | <b>0.8837</b> | <b>8.8171</b> | <b>11.9287</b> | <b>0.0201</b> |               | <b>0.3971</b> | <b>0.3971</b> |                | <b>0.3888</b> | <b>0.3888</b> |          | <b>1,913.578<br/>1</b> | <b>1,913.578<br/>1</b> | <b>0.2751</b> |     | <b>1,920.455<br/>3</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.1024        | 3.6155        | 0.7882        | 0.0103        | 0.2562        | 5.7200e-003   | 0.2619        | 0.0738         | 5.4700e-003   | 0.0792        |          | 1,085.025<br>0         | 1,085.025<br>0         | 0.0771        |     | 1,086.952<br>4         |
| Worker       | 0.9535        | 0.5937        | 6.2284        | 0.0190        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 1,892.292<br>0         | 1,892.292<br>0         | 0.0490        |     | 1,893.518<br>0         |
| <b>Total</b> | <b>1.0559</b> | <b>4.2092</b> | <b>7.0166</b> | <b>0.0293</b> | <b>2.4917</b> | <b>0.0196</b> | <b>2.5113</b> | <b>0.6666</b>  | <b>0.0183</b> | <b>0.6849</b> |          | <b>2,977.317<br/>0</b> | <b>2,977.317<br/>0</b> | <b>0.1261</b> |     | <b>2,980.470<br/>4</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.578<br>1         | 1,913.578<br>1         | 0.2751        |     | 1,920.455<br>3         |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.578<br/>1</b> | <b>1,913.578<br/>1</b> | <b>0.2751</b> |     | <b>1,920.455<br/>3</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.1024        | 3.6155        | 0.7882        | 0.0103        | 0.2562        | 5.7200e-003   | 0.2619        | 0.0738         | 5.4700e-003   | 0.0792        |          | 1,085.025<br>0         | 1,085.025<br>0         | 0.0771        |     | 1,086.952<br>4         |
| Worker       | 0.9535        | 0.5937        | 6.2284        | 0.0190        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 1,892.292<br>0         | 1,892.292<br>0         | 0.0490        |     | 1,893.518<br>0         |
| <b>Total</b> | <b>1.0559</b> | <b>4.2092</b> | <b>7.0166</b> | <b>0.0293</b> | <b>2.4917</b> | <b>0.0196</b> | <b>2.5113</b> | <b>0.6666</b>  | <b>0.0183</b> | <b>0.6849</b> |          | <b>2,977.317<br/>0</b> | <b>2,977.317<br/>0</b> | <b>0.1261</b> |     | <b>2,980.470<br/>4</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8233        | 8.2299        | 11.9133        | 0.0201        |               | 0.3464        | 0.3464        |                | 0.3392        | 0.3392        |          | 1,913.676<br>1         | 1,913.676<br>1         | 0.2707        |     | 1,920.444<br>4         |
| <b>Total</b> | <b>0.8233</b> | <b>8.2299</b> | <b>11.9133</b> | <b>0.0201</b> |               | <b>0.3464</b> | <b>0.3464</b> |                | <b>0.3392</b> | <b>0.3392</b> |          | <b>1,913.676<br/>1</b> | <b>1,913.676<br/>1</b> | <b>0.2707</b> |     | <b>1,920.444<br/>4</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003   | 0.2590        | 0.0738         | 2.7100e-003   | 0.0765        |          | 1,055.593<br>4         | 1,055.593<br>4         | 0.0618        |     | 1,057.137<br>7         |
| Worker       | 0.8947        | 0.5344        | 5.7101        | 0.0183        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 1,821.266<br>8         | 1,821.266<br>8         | 0.0440        |     | 1,822.365<br>7         |
| <b>Total</b> | <b>0.9719</b> | <b>3.3287</b> | <b>6.3806</b> | <b>0.0283</b> | <b>2.4917</b> | <b>0.0163</b> | <b>2.5080</b> | <b>0.6666</b>  | <b>0.0151</b> | <b>0.6818</b> |          | <b>2,876.860<br/>2</b> | <b>2,876.860<br/>2</b> | <b>0.1057</b> |     | <b>2,879.503<br/>3</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.6760        | 1,913.6760        | 0.2707        |     | 1,920.4444        |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.6760</b> | <b>1,913.6760</b> | <b>0.2707</b> |     | <b>1,920.4444</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003   | 0.2590        | 0.0738         | 2.7100e-003   | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.8947        | 0.5344        | 5.7101        | 0.0183        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 1,821.2668        | 1,821.2668        | 0.0440        |     | 1,822.3657        |
| <b>Total</b> | <b>0.9719</b> | <b>3.3287</b> | <b>6.3806</b> | <b>0.0283</b> | <b>2.4917</b> | <b>0.0163</b> | <b>2.5080</b> | <b>0.6666</b>  | <b>0.0151</b> | <b>0.6818</b> |          | <b>2,876.8602</b> | <b>2,876.8602</b> | <b>0.1057</b> |     | <b>2,879.5033</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.7749        | 7.7896        | 11.9059        | 0.0201        |               | 0.3037        | 0.3037        |                | 0.2971        | 0.2971        |          | 1,913.5416        | 1,913.5416        | 0.2663        |     | 1,920.1992        |
| <b>Total</b> | <b>0.7749</b> | <b>7.7896</b> | <b>11.9059</b> | <b>0.0201</b> |               | <b>0.3037</b> | <b>0.3037</b> |                | <b>0.2971</b> | <b>0.2971</b> |          | <b>1,913.5416</b> | <b>1,913.5416</b> | <b>0.2663</b> |     | <b>1,920.1992</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0761        | 2.8087        | 0.6463        | 9.9900e-003   | 0.2562        | 2.8200e-003   | 0.2590        | 0.0738         | 2.6900e-003   | 0.0765        |          | 1,054.6623        | 1,054.6623        | 0.0618        |     | 1,056.2063        |
| Worker       | 0.8442        | 0.4839        | 5.3154        | 0.0177        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,762.2250        | 1,762.2250        | 0.0401        |     | 1,763.2286        |
| <b>Total</b> | <b>0.9203</b> | <b>3.2927</b> | <b>5.9617</b> | <b>0.0277</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6816</b> |          | <b>2,816.8872</b> | <b>2,816.8872</b> | <b>0.1019</b> |     | <b>2,819.4349</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.8 Construction - West Building - 2024**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.5416        | 1,913.5416        | 0.2663        |     | 1,920.1992        |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.5416</b> | <b>1,913.5416</b> | <b>0.2663</b> |     | <b>1,920.1992</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0761        | 2.8087        | 0.6463        | 9.9900e-003   | 0.2562        | 2.8200e-003   | 0.2590        | 0.0738         | 2.6900e-003   | 0.0765        |          | 1,054.6623        | 1,054.6623        | 0.0618        |     | 1,056.2063        |
| Worker       | 0.8442        | 0.4839        | 5.3154        | 0.0177        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,762.2250        | 1,762.2250        | 0.0401        |     | 1,763.2286        |
| <b>Total</b> | <b>0.9203</b> | <b>3.2927</b> | <b>5.9617</b> | <b>0.0277</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6816</b> |          | <b>2,816.8872</b> | <b>2,816.8872</b> | <b>0.1019</b> |     | <b>2,819.4349</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.9 Paving - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0437        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0764</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003        | 0.2590        | 0.0738         | 2.7100e-003        | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534          | 364.2534          | 8.7900e-003   |     | 364.4731          |
| <b>Total</b> | <b>0.2562</b> | <b>2.9012</b> | <b>1.8125</b> | <b>0.0137</b> | <b>0.7033</b> | <b>5.5300e-003</b> | <b>0.7088</b> | <b>0.1923</b>  | <b>5.2000e-003</b> | <b>0.1975</b> |          | <b>1,419.8468</b> | <b>1,419.8468</b> | <b>0.0706</b> |     | <b>1,421.6108</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.9 Paving - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2805        | 1.2154        | 17.2957        | 0.0228        |               | 0.0374        | 0.0374        |                | 0.0374        | 0.0374        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0437        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3241</b> | <b>1.2154</b> | <b>17.2957</b> | <b>0.0228</b> |               | <b>0.0374</b> | <b>0.0374</b> |                | <b>0.0374</b> | <b>0.0374</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003        | 0.2590        | 0.0738         | 2.7100e-003        | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534          | 364.2534          | 8.7900e-003   |     | 364.4731          |
| <b>Total</b> | <b>0.2562</b> | <b>2.9012</b> | <b>1.8125</b> | <b>0.0137</b> | <b>0.7033</b> | <b>5.5300e-003</b> | <b>0.7088</b> | <b>0.1923</b>  | <b>5.2000e-003</b> | <b>0.1975</b> |          | <b>1,419.8468</b> | <b>1,419.8468</b> | <b>0.0706</b> |     | <b>1,421.6108</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.10 Architectural Coatings - East Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        |          | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> |          | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534        | 364.2534        | 8.7900e-003        |     | 364.4731        |
| <b>Total</b> | <b>0.1789</b> | <b>0.1069</b> | <b>1.1420</b> | <b>3.6500e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>364.2534</b> | <b>364.2534</b> | <b>8.7900e-003</b> |     | <b>364.4731</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.10 Architectural Coatings - East Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        | 0.0000        | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> | <b>0.0000</b> | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534        | 364.2534        | 8.7900e-003        |     | 364.4731        |
| <b>Total</b> | <b>0.1789</b> | <b>0.1069</b> | <b>1.1420</b> | <b>3.6500e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>364.2534</b> | <b>364.2534</b> | <b>8.7900e-003</b> |     | <b>364.4731</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.11 Paving - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0491        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0819</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003        | 0.2590        | 0.0738         | 2.7100e-003        | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534          | 364.2534          | 8.7900e-003   |     | 364.4731          |
| <b>Total</b> | <b>0.2562</b> | <b>2.9012</b> | <b>1.8125</b> | <b>0.0137</b> | <b>0.7033</b> | <b>5.5300e-003</b> | <b>0.7088</b> | <b>0.1923</b>  | <b>5.2000e-003</b> | <b>0.1975</b> |          | <b>1,419.8468</b> | <b>1,419.8468</b> | <b>0.0706</b> |     | <b>1,421.6108</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.11 Paving - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2805        | 1.2154        | 17.2957        | 0.0228        |               | 0.0374        | 0.0374        |                | 0.0374        | 0.0374        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0491        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3296</b> | <b>1.2154</b> | <b>17.2957</b> | <b>0.0228</b> |               | <b>0.0374</b> | <b>0.0374</b> |                | <b>0.0374</b> | <b>0.0374</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0772        | 2.7944        | 0.6705        | 0.0100        | 0.2562        | 2.8300e-003        | 0.2590        | 0.0738         | 2.7100e-003        | 0.0765        |          | 1,055.5934        | 1,055.5934        | 0.0618        |     | 1,057.1377        |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534          | 364.2534          | 8.7900e-003   |     | 364.4731          |
| <b>Total</b> | <b>0.2562</b> | <b>2.9012</b> | <b>1.8125</b> | <b>0.0137</b> | <b>0.7033</b> | <b>5.5300e-003</b> | <b>0.7088</b> | <b>0.1923</b>  | <b>5.2000e-003</b> | <b>0.1975</b> |          | <b>1,419.8468</b> | <b>1,419.8468</b> | <b>0.0706</b> |     | <b>1,421.6108</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.12 Architectural Coatings - West Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        |          | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> |          | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534        | 364.2534        | 8.7900e-003        |     | 364.4731        |
| <b>Total</b> | <b>0.1789</b> | <b>0.1069</b> | <b>1.1420</b> | <b>3.6500e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>364.2534</b> | <b>364.2534</b> | <b>8.7900e-003</b> |     | <b>364.4731</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**3.12 Architectural Coatings - West Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        | 0.0000        | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> | <b>0.0000</b> | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1789        | 0.1069        | 1.1420        | 3.6500e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 364.2534        | 364.2534        | 8.7900e-003        |     | 364.4731        |
| <b>Total</b> | <b>0.1789</b> | <b>0.1069</b> | <b>1.1420</b> | <b>3.6500e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>364.2534</b> | <b>364.2534</b> | <b>8.7900e-003</b> |     | <b>364.4731</b> |

**4.0 Operational Detail - Mobile**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 2.6354 | 4.5070 | 32.1296 | 0.0986 | 11.5219       | 0.0738       | 11.5957    | 3.0591         | 0.0683        | 3.1273      |          | 9,851.1207 | 9,851.1207 | 0.3569 |     | 9,860.0423 |
| Unmitigated | 2.6354 | 4.5070 | 32.1296 | 0.0986 | 11.5219       | 0.0738       | 11.5957    | 3.0591         | 0.0683        | 3.1273      |          | 9,851.1207 | 9,851.1207 | 0.3569 |     | 9,860.0423 |

**4.2 Trip Summary Information**

| Land Use                       | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|--------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                                | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Apartments Mid Rise            | 1,420.10                | 1,420.10        | 1420.10         | 5,200,168        | 5,200,168        |
| City Park                      | 0.00                    | 0.00            | 0.00            |                  |                  |
| Condo/Townhouse                | 0.00                    | 0.00            | 0.00            |                  |                  |
| Enclosed Parking with Elevator | 0.00                    | 0.00            | 0.00            |                  |                  |
| General Office Building        | 0.00                    | 0.00            | 0.00            |                  |                  |
| Parking Lot                    | 0.00                    | 0.00            | 0.00            |                  |                  |
| Recreational Swimming Pool     | 0.00                    | 0.00            | 0.00            |                  |                  |
| Strip Mall                     | 83.16                   | 83.16           | 83.16           | 304,501          | 304,501          |
| <b>Total</b>                   | <b>1,503.25</b>         | <b>1,503.25</b> | <b>1,503.25</b> | <b>5,504,669</b> | <b>5,504,669</b> |

**4.3 Trip Type Information**

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

| Land Use                       | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|--------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                                | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Mid Rise            | 10.06      | 10.06      | 10.06       | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse                | 14.70      | 5.90       | 8.70        | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| General Office Building        | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Parking Lot                    | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Recreational Swimming Pool     | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 52             | 39       | 9       |
| Strip Mall                     | 10.06      | 10.06      | 10.06       | 16.60      | 64.40      | 19.00       | 100            | 0        | 0       |

4.4 Fleet Mix

| Land Use                       | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise            | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| City Park                      | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Condo/Townhouse                | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| Enclosed Parking with Elevator | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| General Office Building        | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Parking Lot                    | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Recreational Swimming Pool     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Strip Mall                     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| NaturalGas Mitigated   | 0.1113 | 0.9517 | 0.4074 | 6.0700e-003 |               | 0.0769       | 0.0769     |                | 0.0769        | 0.0769      |          | 1,214.5228 | 1,214.5228 | 0.0233 | 0.0223 | 1,221.7401 |
| NaturalGas Unmitigated | 0.1113 | 0.9517 | 0.4074 | 6.0700e-003 |               | 0.0769       | 0.0769     |                | 0.0769        | 0.0769      |          | 1,214.5228 | 1,214.5228 | 0.0233 | 0.0223 | 1,221.7401 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use                       | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Apartments Mid Rise            | 10205.3        | 0.1101        | 0.9405        | 0.4002        | 6.0000e-003        |               | 0.0760        | 0.0760        |                | 0.0760        | 0.0760        |          | 1,200.6247        | 1,200.6247        | 0.0230        | 0.0220        | 1,207.7594        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse                | 57.8082        | 6.2000e-004   | 5.3300e-003   | 2.2700e-003   | 3.0000e-005        |               | 4.3000e-004   | 4.3000e-004   |                | 4.3000e-004   | 4.3000e-004   |          | 6.8010            | 6.8010            | 1.3000e-004   | 1.2000e-004   | 6.8414            |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| General Office Building        | 45.5096        | 4.9000e-004   | 4.4600e-003   | 3.7500e-003   | 3.0000e-005        |               | 3.4000e-004   | 3.4000e-004   |                | 3.4000e-004   | 3.4000e-004   |          | 5.3541            | 5.3541            | 1.0000e-004   | 1.0000e-004   | 5.3859            |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Strip Mall                     | 14.8162        | 1.6000e-004   | 1.4500e-003   | 1.2200e-003   | 1.0000e-005        |               | 1.1000e-004   | 1.1000e-004   |                | 1.1000e-004   | 1.1000e-004   |          | 1.7431            | 1.7431            | 3.0000e-005   | 3.0000e-005   | 1.7534            |
| <b>Total</b>                   |                | <b>0.1113</b> | <b>0.9517</b> | <b>0.4075</b> | <b>6.0700e-003</b> |               | <b>0.0769</b> | <b>0.0769</b> |                | <b>0.0769</b> | <b>0.0769</b> |          | <b>1,214.5228</b> | <b>1,214.5228</b> | <b>0.0233</b> | <b>0.0223</b> | <b>1,221.7401</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use                       | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Apartments Mid Rise            | 10.2053        | 0.1101        | 0.9405        | 0.4002        | 6.0000e-003        |               | 0.0760        | 0.0760        |                | 0.0760        | 0.0760        |          | 1,200.6247        | 1,200.6247        | 0.0230        | 0.0220        | 1,207.7594        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse                | 0.0578082      | 6.2000e-004   | 5.3300e-003   | 2.2700e-003   | 3.0000e-005        |               | 4.3000e-004   | 4.3000e-004   |                | 4.3000e-004   | 4.3000e-004   |          | 6.8010            | 6.8010            | 1.3000e-004   | 1.2000e-004   | 6.8414            |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| General Office Building        | 0.0455096      | 4.9000e-004   | 4.4600e-003   | 3.7500e-003   | 3.0000e-005        |               | 3.4000e-004   | 3.4000e-004   |                | 3.4000e-004   | 3.4000e-004   |          | 5.3541            | 5.3541            | 1.0000e-004   | 1.0000e-004   | 5.3859            |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Strip Mall                     | 0.0148162      | 1.6000e-004   | 1.4500e-003   | 1.2200e-003   | 1.0000e-005        |               | 1.1000e-004   | 1.1000e-004   |                | 1.1000e-004   | 1.1000e-004   |          | 1.7431            | 1.7431            | 3.0000e-005   | 3.0000e-005   | 1.7534            |
| <b>Total</b>                   |                | <b>0.1113</b> | <b>0.9517</b> | <b>0.4075</b> | <b>6.0700e-003</b> |               | <b>0.0769</b> | <b>0.0769</b> |                | <b>0.0769</b> | <b>0.0769</b> |          | <b>1,214.5228</b> | <b>1,214.5228</b> | <b>0.0233</b> | <b>0.0223</b> | <b>1,221.7401</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

|             | ROG    | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O         | CO2e    |
|-------------|--------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|---------|
| Category    | lb/day |        |         |             |               |              |            |                |               |             | lb/day   |           |           |        |             |         |
| Mitigated   | 5.7822 | 0.2807 | 21.5107 | 1.3500e-003 |               | 0.1217       | 0.1217     |                | 0.1217        | 0.1217      | 0.0000   | 81.0951   | 81.0951   | 0.0382 | 7.8000e-004 | 82.2810 |
| Unmitigated | 5.7822 | 0.2807 | 21.5107 | 1.3500e-003 |               | 0.1217       | 0.1217     |                | 0.1217        | 0.1217      | 0.0000   | 81.0951   | 81.0951   | 0.0382 | 7.8000e-004 | 82.2810 |

6.2 Area by SubCategory

Unmitigated

|                       | ROG           | NOx           | CO             | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O                | CO2e           |
|-----------------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------------|----------------|
| SubCategory           | lb/day        |               |                |                    |               |               |               |                |               |               | lb/day        |                |                |               |                    |                |
| Architectural Coating | 0.4197        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Consumer Products     | 4.7088        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Hearth                | 3.8800e-003   | 0.0332        | 0.0141         | 2.1000e-004        |               | 2.6800e-003   | 2.6800e-003   |                | 2.6800e-003   | 2.6800e-003   | 0.0000        | 42.3529        | 42.3529        | 8.1000e-004   | 7.8000e-004        | 42.6046        |
| Landscaping           | 0.6498        | 0.2475        | 21.4966        | 1.1400e-003        |               | 0.1190        | 0.1190        |                | 0.1190        | 0.1190        |               | 38.7422        | 38.7422        | 0.0374        |                    | 39.6764        |
| <b>Total</b>          | <b>5.7822</b> | <b>0.2807</b> | <b>21.5107</b> | <b>1.3500e-003</b> |               | <b>0.1217</b> | <b>0.1217</b> |                | <b>0.1217</b> | <b>0.1217</b> | <b>0.0000</b> | <b>81.0951</b> | <b>81.0951</b> | <b>0.0382</b> | <b>7.8000e-004</b> | <b>82.2810</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

**6.2 Area by SubCategory**

**Mitigated**

|                       | ROG           | NOx           | CO             | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O                | CO2e           |
|-----------------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------------|----------------|
| SubCategory           | lb/day        |               |                |                    |               |               |               |                |               |               | lb/day        |                |                |               |                    |                |
| Architectural Coating | 0.4197        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Consumer Products     | 4.7088        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Hearth                | 3.8800e-003   | 0.0332        | 0.0141         | 2.1000e-004        |               | 2.6800e-003   | 2.6800e-003   |                | 2.6800e-003   | 2.6800e-003   | 0.0000        | 42.3529        | 42.3529        | 8.1000e-004   | 7.8000e-004        | 42.6046        |
| Landscaping           | 0.6498        | 0.2475        | 21.4966        | 1.1400e-003        |               | 0.1190        | 0.1190        |                | 0.1190        | 0.1190        |               | 38.7422        | 38.7422        | 0.0374        |                    | 39.6764        |
| <b>Total</b>          | <b>5.7822</b> | <b>0.2807</b> | <b>21.5107</b> | <b>1.3500e-003</b> |               | <b>0.1217</b> | <b>0.1217</b> |                | <b>0.1217</b> | <b>0.1217</b> | <b>0.0000</b> | <b>81.0951</b> | <b>81.0951</b> | <b>0.0382</b> | <b>7.8000e-004</b> | <b>82.2810</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Winter

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**Alta Cuvee Mixed-Use Project**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                      | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|--------|---------------|-------------|--------------------|------------|
| General Office Building        | 5.54   | 1000sqft      | 0.13        | 5,537.00           | 0          |
| Enclosed Parking with Elevator | 330.00 | Space         | 0.00        | 111,850.00         | 0          |
| Parking Lot                    | 200.00 | Space         | 1.80        | 64,690.00          | 0          |
| City Park                      | 0.33   | Acre          | 0.33        | 14,375.00          | 0          |
| Recreational Swimming Pool     | 3.58   | 1000sqft      | 0.00        | 3,572.00           | 0          |
| Apartments Mid Rise            | 259.00 | Dwelling Unit | 3.00        | 225,079.00         | 785        |
| Condo/Townhouse                | 1.00   | Dwelling Unit | 0.00        | 1,570.00           | 3          |
| Strip Mall                     | 2.44   | 1000sqft      | 0.00        | 2,436.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RCMU 2020 Power Content Label for CO2e Intensity: 630 lbCO2e/MWh

Land Use - Project Design Land Uses:  
 Apartments: 226,649 SF (Includes Live/Work Unit)  
 Retail: 2,436 SF

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

Sub. Parking: ~11,850 SF

Sfc. Parking: 64,690 SF

Leasing Office: 5,537 SF

Construction Phase - Schedule Provided by Applicant.

Site Preparation = Grading - East Building

Grading = Grading - West Building

Off-road Equipment - Project Equipment Inventory Provided by Applicant

Off-road Equipment - Project Inventory Provided by Applicant

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

"Grading" - West Grading

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment -

Off-road Equipment - Project Inventory provided by Applicant.

"Site Preparation" = East Grading

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Trips and VMT - 60 haul loads per day during excavation/trenching extrapolated for entire phases.

Up to 20 vendor deliveries per day during construction.

Approximately 50-300 workers on-site during construction.

Grading - 50,080 total exported (60% for West Bldg, 40% for East Bldg.)

Architectural Coating - SCAQMD Rule 1113 Compliance for Building Envelope and residential coatings - 50 g/L

Vehicle Trips - 1,420 daily residential trips/259 apartments = 5.483 trips/du

83 daily shopping trips/2.436 ksf = 34.08trips/ksf

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No Fireplaces in units per Project Design

1 Outdoor Fireplace Included

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

Area Coating - SCAQMD Rule 1113 Compliance for Building Envelope coatings: 50 g/L

Energy Use - Updated to 2019 Title 24 Energy Factors (CAPCOA, 2020)

Water And Wastewater - MND Estimated Project Water Use: Residential: 66,560 gal/day; Non-residential: 8,164 gal/day

Solid Waste - Waste Generation from MND Calculations: 12.23 lb/DU/day x 260 DU x 365 days/yr = 580.3135 tons solid waste

Construction Off-road Equipment Mitigation - Best management practices to comply with SCAQMD Rule 403 include watering exposed areas thrice daily.

Mobile Land Use Mitigation - Electric Vehicle Charging Provided (Not Quantified)

Area Mitigation - SCAQMD Rule 1113 Compliance for Building Envelop  
Project Design does not include hearths/fireplaces in units, only 1 outdoor fireplace.

Energy Mitigation - High-Efficiency Appliances.

Water Mitigation -

Fleet Mix - Residential Trips

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 100           | 50        |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 6.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                         |                            |           |              |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 3.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 4.00         |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 230.00    | 534.00       |
| tblConstructionPhase    | NumDays                    | 230.00    | 378.00       |
| tblConstructionPhase    | NumDays                    | 20.00     | 12.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 24.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 18.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 96.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 108.00       |
| tblConstructionPhase    | NumDays                    | 10.00     | 36.00        |
| tblConstructionPhase    | NumDays                    | 10.00     | 24.00        |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                      |                   |           |           |
|----------------------|-------------------|-----------|-----------|
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblEnergyUse         | T24E              | 772.17    | 164.47    |
| tblEnergyUse         | T24E              | 845.95    | 177.65    |
| tblEnergyUse         | T24E              | 3.92      | 3.50      |
| tblEnergyUse         | T24E              | 3.07      | 2.74      |
| tblEnergyUse         | T24E              | 4.58      | 4.09      |
| tblEnergyUse         | T24NG             | 8,764.08  | 8,352.00  |
| tblEnergyUse         | T24NG             | 16,633.53 | 15,070.00 |
| tblEnergyUse         | T24NG             | 3.47      | 3.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 0.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 365.00    |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 0.00      |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 6.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | NumberGas         | 220.15    | 0.00      |
| tblFireplaces        | NumberGas         | 0.85      | 1.00      |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|               |                   |             |             |
|---------------|-------------------|-------------|-------------|
| tblFireplaces | NumberNoFireplace | 25.90       | 0.00        |
| tblFireplaces | NumberNoFireplace | 0.10        | 0.00        |
| tblFireplaces | NumberWood        | 12.95       | 0.00        |
| tblFireplaces | NumberWood        | 0.05        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | SBUS              | 7.9900e-004 | 0.00        |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                     |                            |             |            |
|---------------------|----------------------------|-------------|------------|
| tblFleetMix         | SBUS                       | 7.9900e-004 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblGrading          | MaterialExported           | 0.00        | 30,048.00  |
| tblGrading          | MaterialExported           | 0.00        | 20,032.00  |
| tblLandUse          | LandUseSquareFeet          | 5,540.00    | 5,537.00   |
| tblLandUse          | LandUseSquareFeet          | 132,000.00  | 111,850.00 |
| tblLandUse          | LandUseSquareFeet          | 80,000.00   | 64,690.00  |
| tblLandUse          | LandUseSquareFeet          | 14,374.80   | 14,375.00  |
| tblLandUse          | LandUseSquareFeet          | 3,580.00    | 3,572.00   |
| tblLandUse          | LandUseSquareFeet          | 259,000.00  | 225,079.00 |
| tblLandUse          | LandUseSquareFeet          | 1,000.00    | 1,570.00   |
| tblLandUse          | LandUseSquareFeet          | 2,440.00    | 2,436.00   |
| tblLandUse          | LotAcreage                 | 2.97        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.08        | 0.00       |
| tblLandUse          | LotAcreage                 | 6.82        | 3.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | Population                 | 741.00      | 785.00     |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00        | 1.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00        | 1.00       |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                           |                            |          |          |
|---------------------------|----------------------------|----------|----------|
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00     | 1.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44   | 627.49   |
| tblSolidWaste             | SolidWasteGenerationRate   | 119.14   | 580.32   |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.03     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.46     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 20.41    | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 2.56     | 20.45    |
| tblTripsAndVMT            | HaulingTripNumber          | 3,756.00 | 4,320.00 |
| tblTripsAndVMT            | HaulingTripNumber          | 2,504.00 | 2,880.00 |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblVehicleTrips           | CC_TL                      | 8.40     | 10.06    |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                 |        |       |        |
|-----------------|--------|-------|--------|
| tblVehicleTrips | CNW_TL | 6.90  | 10.06  |
| tblVehicleTrips | CW_TL  | 16.60 | 10.06  |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 40.00 | 0.00   |
| tblVehicleTrips | HO_TL  | 8.70  | 10.06  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HS_TL  | 5.90  | 10.06  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HW_TL  | 14.70 | 10.06  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 15.00 | 0.00   |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 45.00 | 100.00 |
| tblVehicleTrips | ST_TR  | 6.39  | 5.48   |
| tblVehicleTrips | ST_TR  | 22.75 | 0.00   |
| tblVehicleTrips | ST_TR  | 5.67  | 0.00   |
| tblVehicleTrips | ST_TR  | 2.46  | 0.00   |
| tblVehicleTrips | ST_TR  | 9.10  | 0.00   |
| tblVehicleTrips | ST_TR  | 42.04 | 34.08  |
| tblVehicleTrips | SU_TR  | 5.86  | 5.48   |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                 |                     |               |               |
|-----------------|---------------------|---------------|---------------|
| tblVehicleTrips | SU_TR               | 16.74         | 0.00          |
| tblVehicleTrips | SU_TR               | 4.84          | 0.00          |
| tblVehicleTrips | SU_TR               | 1.05          | 0.00          |
| tblVehicleTrips | SU_TR               | 13.60         | 0.00          |
| tblVehicleTrips | SU_TR               | 20.43         | 34.08         |
| tblVehicleTrips | WD_TR               | 6.65          | 5.48          |
| tblVehicleTrips | WD_TR               | 1.89          | 0.00          |
| tblVehicleTrips | WD_TR               | 5.81          | 0.00          |
| tblVehicleTrips | WD_TR               | 11.03         | 0.00          |
| tblVehicleTrips | WD_TR               | 33.82         | 0.00          |
| tblVehicleTrips | WD_TR               | 44.32         | 34.08         |
| tblWater        | IndoorWaterUseRate  | 16,874,892.64 | 24,294,400.00 |
| tblWater        | IndoorWaterUseRate  | 65,154.03     | 0.00          |
| tblWater        | IndoorWaterUseRate  | 984,644.96    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 211,732.46    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 180,736.95    | 2,979,860.00  |
| tblWater        | OutdoorWaterUseRate | 603,492.07    | 0.00          |
| tblWater        | OutdoorWaterUseRate | 110,774.26    | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 12.95         | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 0.05          | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 12.95         | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 0.05          | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

## **2.0 Emissions Summary**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                         |                         |               |               |                         |
| 2022           | 4.7327         | 59.6883        | 42.3262        | 0.1768        | 6.1937        | 1.6062        | 7.7178        | 1.4897         | 1.5014        | 2.9180        | 0.0000        | 18,123.89<br>44         | 18,123.89<br>44         | 1.8419        | 0.0000        | 18,169.43<br>54         |
| 2023           | 26.8587        | 50.3281        | 74.0071        | 0.1791        | 6.3900        | 1.7727        | 8.1627        | 1.7179         | 1.6724        | 3.3903        | 0.0000        | 17,790.37<br>77         | 17,790.37<br>77         | 2.4052        | 0.0000        | 17,850.50<br>86         |
| 2024           | 3.4245         | 23.1138        | 39.8750        | 0.1032        | 4.9834        | 0.6556        | 5.6390        | 1.3333         | 0.6388        | 1.9721        | 0.0000        | 10,232.76<br>29         | 10,232.76<br>29         | 0.8277        | 0.0000        | 10,253.45<br>61         |
| <b>Maximum</b> | <b>26.8587</b> | <b>59.6883</b> | <b>74.0071</b> | <b>0.1791</b> | <b>6.3900</b> | <b>1.7727</b> | <b>8.1627</b> | <b>1.7179</b>  | <b>1.6724</b> | <b>3.3903</b> | <b>0.0000</b> | <b>18,123.89<br/>44</b> | <b>18,123.89<br/>44</b> | <b>2.4052</b> | <b>0.0000</b> | <b>18,169.43<br/>54</b> |

**Mitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                         |                         |               |               |                         |
| 2022           | 2.5956         | 33.3869        | 46.2140        | 0.1768        | 5.4892        | 0.1618        | 5.6510        | 1.4112         | 0.1575        | 1.5686        | 0.0000        | 18,123.89<br>44         | 18,123.89<br>44         | 1.8419        | 0.0000        | 18,169.43<br>54         |
| 2023           | 24.9041        | 18.5080        | 82.5893        | 0.1791        | 6.3900        | 0.2637        | 6.5706        | 1.7179         | 0.2607        | 1.9049        | 0.0000        | 17,790.37<br>77         | 17,790.37<br>77         | 2.4052        | 0.0000        | 17,850.50<br>86         |
| 2024           | 2.3190         | 10.1392        | 43.0478        | 0.1032        | 4.9834        | 0.0947        | 5.0781        | 1.3333         | 0.0923        | 1.4256        | 0.0000        | 10,232.76<br>29         | 10,232.76<br>29         | 0.8277        | 0.0000        | 10,253.45<br>61         |
| <b>Maximum</b> | <b>24.9041</b> | <b>33.3869</b> | <b>82.5893</b> | <b>0.1791</b> | <b>6.3900</b> | <b>0.2637</b> | <b>6.5706</b> | <b>1.7179</b>  | <b>0.2607</b> | <b>1.9049</b> | <b>0.0000</b> | <b>18,123.89<br/>44</b> | <b>18,123.89<br/>44</b> | <b>2.4052</b> | <b>0.0000</b> | <b>18,169.43<br/>54</b> |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                   | ROG   | NOx   | CO     | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|-------|-------|--------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 14.84 | 53.40 | -10.01 | 0.00 | 4.01          | 87.11        | 19.61      | 1.73           | 86.61         | 40.83       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day        |               |                |               |                |               |                |                |               |               | lb/day        |                    |                    |               |               |                    |
| Area         | 5.7822        | 0.2807        | 21.5107        | 1.3500e-003   |                | 0.1217        | 0.1217         |                | 0.1217        | 0.1217        | 0.0000        | 81.0951            | 81.0951            | 0.0382        | 7.8000e-004   | 82.2810            |
| Energy       | 0.1113        | 0.9517        | 0.4074         | 6.0700e-003   |                | 0.0769        | 0.0769         |                | 0.0769        | 0.0769        |               | 1,214.5228         | 1,214.5228         | 0.0233        | 0.0223        | 1,221.7401         |
| Mobile       | 3.0849        | 4.3164        | 37.6510        | 0.1091        | 11.5219        | 0.0738        | 11.5957        | 3.0591         | 0.0683        | 3.1273        |               | 10,896.3731        | 10,896.3731        | 0.3776        |               | 10,905.8127        |
| <b>Total</b> | <b>8.9785</b> | <b>5.5488</b> | <b>59.5692</b> | <b>0.1165</b> | <b>11.5219</b> | <b>0.2724</b> | <b>11.7943</b> | <b>3.0591</b>  | <b>0.2669</b> | <b>3.3260</b> | <b>0.0000</b> | <b>12,191.9910</b> | <b>12,191.9910</b> | <b>0.4391</b> | <b>0.0231</b> | <b>12,209.8338</b> |

**Mitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day        |               |                |               |                |               |                |                |               |               | lb/day        |                    |                    |               |               |                    |
| Area         | 5.7822        | 0.2807        | 21.5107        | 1.3500e-003   |                | 0.1217        | 0.1217         |                | 0.1217        | 0.1217        | 0.0000        | 81.0951            | 81.0951            | 0.0382        | 7.8000e-004   | 82.2810            |
| Energy       | 0.1113        | 0.9517        | 0.4074         | 6.0700e-003   |                | 0.0769        | 0.0769         |                | 0.0769        | 0.0769        |               | 1,214.5228         | 1,214.5228         | 0.0233        | 0.0223        | 1,221.7401         |
| Mobile       | 3.0849        | 4.3164        | 37.6510        | 0.1091        | 11.5219        | 0.0738        | 11.5957        | 3.0591         | 0.0683        | 3.1273        |               | 10,896.3731        | 10,896.3731        | 0.3776        |               | 10,905.8127        |
| <b>Total</b> | <b>8.9785</b> | <b>5.5488</b> | <b>59.5692</b> | <b>0.1165</b> | <b>11.5219</b> | <b>0.2724</b> | <b>11.7943</b> | <b>3.0591</b>  | <b>0.2669</b> | <b>3.3260</b> | <b>0.0000</b> | <b>12,191.9910</b> | <b>12,191.9910</b> | <b>0.4391</b> | <b>0.0231</b> | <b>12,209.8338</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name                          | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition                          | Demolition            | 3/5/2022   | 3/18/2022  | 6             | 12       |                   |
| 2            | Site Preparation                    | Grading               | 4/4/2022   | 4/30/2022  | 6             | 24       |                   |
| 3            | Trenching/Utilities - East Building | Site Preparation      | 5/2/2022   | 6/11/2022  | 6             | 36       |                   |
| 4            | Construction - East Building        | Building Construction | 6/13/2022  | 2/24/2024  | 6             | 534      |                   |
| 5            | Grading                             | Grading               | 11/7/2022  | 11/26/2022 | 6             | 18       |                   |
| 6            | Trenching/Utilities - West Building | Site Preparation      | 11/28/2022 | 12/24/2022 | 6             | 24       |                   |
| 7            | Construction - West Building        | Building Construction | 12/26/2022 | 3/9/2024   | 6             | 378      |                   |
| 8            | Paving - East Building              | Paving                | 5/8/2023   | 9/9/2023   | 6             | 108      |                   |
| 9            | Architectural Coatings - East Bldg  | Architectural Coating | 5/8/2023   | 7/29/2023  | 6             | 72       |                   |
| 10           | Paving - West Building              | Paving                | 8/7/2023   | 11/25/2023 | 6             | 96       |                   |
| 11           | Architectural Coatings - West Bldg  | Architectural Coating | 9/11/2023  | 12/2/2023  | 6             | 72       |                   |

Acres of Grading (Site Preparation Phase): 60

Acres of Grading (Grading Phase): 45

Acres of Paving: 1.8

Residential Indoor: 458,964; Residential Outdoor: 152,988; Non-Residential Indoor: 11,960; Non-Residential Outdoor: 3,987; Striped Parking Area: 10,592 (Architectural Coating – sqft)

#### OffRoad Equipment



## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

| Phase Name                          | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition                          | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition                          | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Demolition                          | Generator Sets            | 2      | 4.00        | 84          | 0.74        |
| Demolition                          | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Site Preparation                    | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Site Preparation                    | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Site Preparation                    | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Site Preparation                    | Scrapers                  | 1      | 8.00        | 367         | 0.48        |
| Trenching/Utilities - East Building | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Trenching/Utilities - East Building | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Trenching/Utilities - East Building | Trenchers                 | 2      | 8.00        | 78          | 0.50        |
| Construction - East Building        | Aerial Lifts              | 2      | 7.00        | 63          | 0.31        |
| Construction - East Building        | Generator Sets            | 2      | 8.00        | 84          | 0.74        |
| Construction - East Building        | Rough Terrain Forklifts   | 2      | 8.00        | 100         | 0.40        |
| Grading                             | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Grading                             | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading                             | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Grading                             | Scrapers                  | 1      | 8.00        | 367         | 0.48        |
| Trenching/Utilities - West Building | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |
| Trenching/Utilities - West Building | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Trenching/Utilities - West Building | Trenchers                 | 2      | 8.00        | 78          | 0.50        |
| Construction - West Building        | Generator Sets            | 2      | 8.00        | 84          | 0.74        |
| Construction - West Building        | Rough Terrain Forklifts   | 2      | 8.00        | 100         | 0.40        |
| Paving - East Building              | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving - East Building              | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving - East Building              | Rollers                   | 2      | 8.00        | 80          | 0.38        |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                                    |                  |   |      |     |      |
|------------------------------------|------------------|---|------|-----|------|
| Architectural Coatings - East Bldg | Air Compressors  | 5 | 8.00 | 15  | 0.48 |
| Paving - West Building             | Pavers           | 2 | 8.00 | 130 | 0.42 |
| Paving - West Building             | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving - West Building             | Rollers          | 2 | 8.00 | 80  | 0.38 |
| Architectural Coatings - West Bldg | Air Compressors  | 5 | 8.00 | 15  | 0.48 |

**Trips and VMT**

| Phase Name                          | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition                          | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation                    | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - East Building | 5                       | 40.00              | 0.00               | 4,320.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - East Building        | 6                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                             | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - West Building | 5                       | 40.00              | 0.00               | 2,880.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - West Building        | 4                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - East Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - East Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - West Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - West Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0548        | 9.1820        | 12.8337        | 0.0211        |               | 0.4731        | 0.4731        |                | 0.4590        | 0.4590        |          | 2,016.9534        | 2,016.9534        | 0.3211        |     | 2,024.9802        |
| <b>Total</b> | <b>1.0548</b> | <b>9.1820</b> | <b>12.8337</b> | <b>0.0211</b> |               | <b>0.4731</b> | <b>0.4731</b> |                | <b>0.4590</b> | <b>0.4590</b> |          | <b>2,016.9534</b> | <b>2,016.9534</b> | <b>0.3211</b> |     | <b>2,024.9802</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2299        | 0.9961        | 14.1751        | 0.0211        |               | 0.0307        | 0.0307        |                | 0.0307        | 0.0307        | 0.0000        | 2,016.9534        | 2,016.9534        | 0.3211        |     | 2,024.9802        |
| <b>Total</b> | <b>0.2299</b> | <b>0.9961</b> | <b>14.1751</b> | <b>0.0211</b> |               | <b>0.0307</b> | <b>0.0307</b> |                | <b>0.0307</b> | <b>0.0307</b> | <b>0.0000</b> | <b>2,016.9534</b> | <b>2,016.9534</b> | <b>0.3211</b> |     | <b>2,024.9802</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 2.6513        | 0.0000        | 2.6513        | 0.2863         | 0.0000        | 0.2863        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.5506        | 29.6686        | 16.4479        | 0.0427        |               | 1.1687        | 1.1687        |                | 1.0752        | 1.0752        |          | 4,137.8452        | 4,137.8452        | 1.3383        |     | 4,171.3018        |
| <b>Total</b>  | <b>2.5506</b> | <b>29.6686</b> | <b>16.4479</b> | <b>0.0427</b> | <b>2.6513</b> | <b>1.1687</b> | <b>3.8199</b> | <b>0.2863</b>  | <b>1.0752</b> | <b>1.3615</b> |          | <b>4,137.8452</b> | <b>4,137.8452</b> | <b>1.3383</b> |     | <b>4,171.3018</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |               |                |               | 1.0340        | 0.0000        | 1.0340        | 0.1117         | 0.0000        | 0.1117        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.5248        | 2.2742        | 20.8520        | 0.0427        |               | 0.0700        | 0.0700        |                | 0.0700        | 0.0700        | 0.0000        | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>0.5248</b> | <b>2.2742</b> | <b>20.8520</b> | <b>0.0427</b> | <b>1.0340</b> | <b>0.0700</b> | <b>1.1040</b> | <b>0.1117</b>  | <b>0.0700</b> | <b>0.1816</b> | <b>0.0000</b> | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.4 Trenching/Utilities - East Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.1549        | 0.0000        | 1.1549        | 0.1288         | 0.0000        | 0.1288        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.8763        | 20.4507        | 12.0655        | 0.0255        |               | 1.0225        | 1.0225        |                | 0.9407        | 0.9407        |          | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>1.8763</b> | <b>20.4507</b> | <b>12.0655</b> | <b>0.0255</b> | <b>1.1549</b> | <b>1.0225</b> | <b>2.1774</b> | <b>0.1288</b>  | <b>0.9407</b> | <b>1.0695</b> |          | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.6741        | 25.1038        | 4.1100        | 0.0922        | 2.1000        | 0.0642        | 2.1641        | 0.5757         | 0.0614        | 0.6371        |          | 9,792.2529         | 9,792.2529         | 0.5182        |     | 9,805.2066         |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Worker       | 0.1898        | 0.1130         | 1.5212        | 4.2400e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 421.8410           | 421.8410           | 0.0112        |     | 422.1203           |
| <b>Total</b> | <b>0.8639</b> | <b>25.2168</b> | <b>5.6312</b> | <b>0.0964</b> | <b>2.5471</b> | <b>0.0669</b> | <b>2.6140</b> | <b>0.6943</b>  | <b>0.0639</b> | <b>0.7582</b> |          | <b>10,214.0939</b> | <b>10,214.0939</b> | <b>0.5293</b> |     | <b>10,227.3269</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.4 Trenching/Utilities - East Building - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 0.4504        | 0.0000        | 0.4504        | 0.0502         | 0.0000        | 0.0502        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.3135        | 1.3583        | 14.5064        | 0.0255        |               | 0.0418        | 0.0418        |                | 0.0418        | 0.0418        | 0.0000        | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>0.3135</b> | <b>1.3583</b> | <b>14.5064</b> | <b>0.0255</b> | <b>0.4504</b> | <b>0.0418</b> | <b>0.4922</b> | <b>0.0502</b>  | <b>0.0418</b> | <b>0.0920</b> | <b>0.0000</b> | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.6741        | 25.1038        | 4.1100        | 0.0922        | 2.1000        | 0.0642        | 2.1641        | 0.5757         | 0.0614        | 0.6371        |          | 9,792.2529         | 9,792.2529         | 0.5182        |     | 9,805.2066         |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Worker       | 0.1898        | 0.1130         | 1.5212        | 4.2400e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 421.8410           | 421.8410           | 0.0112        |     | 422.1203           |
| <b>Total</b> | <b>0.8639</b> | <b>25.2168</b> | <b>5.6312</b> | <b>0.0964</b> | <b>2.5471</b> | <b>0.0669</b> | <b>2.6140</b> | <b>0.6943</b>  | <b>0.0639</b> | <b>0.7582</b> |          | <b>10,214.0939</b> | <b>10,214.0939</b> | <b>0.5293</b> |     | <b>10,227.3269</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.9468        | 9.7976        | 13.8431        | 0.0230        |               | 0.4153        | 0.4153        |                | 0.4055        | 0.4055        |          | 2,198.1628        | 2,198.1628        | 0.3671        |     | 2,207.3410        |
| <b>Total</b> | <b>0.9468</b> | <b>9.7976</b> | <b>13.8431</b> | <b>0.0230</b> |               | <b>0.4153</b> | <b>0.4153</b> |                | <b>0.4055</b> | <b>0.4055</b> |          | <b>2,198.1628</b> | <b>2,198.1628</b> | <b>0.3671</b> |     | <b>2,207.3410</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0964        | 3.6585        | 0.6711        | 0.0107        | 0.2562        | 5.5600e-003   | 0.2617        | 0.0738         | 5.3100e-003   | 0.0791        |          | 1,129.2303        | 1,129.2303        | 0.0695        |     | 1,130.9666        |
| Worker       | 0.9490        | 0.5648        | 7.6061        | 0.0212        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 2,109.2048        | 2,109.2048        | 0.0559        |     | 2,110.6014        |
| <b>Total</b> | <b>1.0454</b> | <b>4.2232</b> | <b>8.2772</b> | <b>0.0319</b> | <b>2.4917</b> | <b>0.0194</b> | <b>2.5112</b> | <b>0.6666</b>  | <b>0.0181</b> | <b>0.6847</b> |          | <b>3,238.4352</b> | <b>3,238.4352</b> | <b>0.1253</b> |     | <b>3,241.5679</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.1628        | 2,198.1628        | 0.3671        |     | 2,207.3410        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.1628</b> | <b>2,198.1628</b> | <b>0.3671</b> |     | <b>2,207.3410</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0964        | 3.6585        | 0.6711        | 0.0107        | 0.2562        | 5.5600e-003   | 0.2617        | 0.0738         | 5.3100e-003   | 0.0791        |          | 1,129.2303        | 1,129.2303        | 0.0695        |     | 1,130.9666        |
| Worker       | 0.9490        | 0.5648        | 7.6061        | 0.0212        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 2,109.2048        | 2,109.2048        | 0.0559        |     | 2,110.6014        |
| <b>Total</b> | <b>1.0454</b> | <b>4.2232</b> | <b>8.2772</b> | <b>0.0319</b> | <b>2.4917</b> | <b>0.0194</b> | <b>2.5112</b> | <b>0.6666</b>  | <b>0.0181</b> | <b>0.6847</b> |          | <b>3,238.4352</b> | <b>3,238.4352</b> | <b>0.1253</b> |     | <b>3,241.5679</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.8839        | 9.1631        | 13.8243        | 0.0230        |               | 0.3626        | 0.3626        |                | 0.3541        | 0.3541        |          | 2,198.2608        | 2,198.2608        | 0.3628        |     | 2,207.3301        |
| <b>Total</b> | <b>0.8839</b> | <b>9.1631</b> | <b>13.8243</b> | <b>0.0230</b> |               | <b>0.3626</b> | <b>0.3626</b> |                | <b>0.3541</b> | <b>0.3541</b> |          | <b>2,198.2608</b> | <b>2,198.2608</b> | <b>0.3628</b> |     | <b>2,207.3301</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.8878        | 0.5086        | 6.9841        | 0.0204        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 2,029.9004        | 2,029.9004        | 0.0500        |     | 2,031.1507        |
| <b>Total</b> | <b>0.9606</b> | <b>3.3414</b> | <b>7.5689</b> | <b>0.0308</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6817</b> |          | <b>3,127.7783</b> | <b>3,127.7783</b> | <b>0.1060</b> |     | <b>3,130.4270</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.2608        | 2,198.2608        | 0.3628        |     | 2,207.3301        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.2608</b> | <b>2,198.2608</b> | <b>0.3628</b> |     | <b>2,207.3301</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.8878        | 0.5086        | 6.9841        | 0.0204        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 2,029.9004        | 2,029.9004        | 0.0500        |     | 2,031.1507        |
| <b>Total</b> | <b>0.9606</b> | <b>3.3414</b> | <b>7.5689</b> | <b>0.0308</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6817</b> |          | <b>3,127.7783</b> | <b>3,127.7783</b> | <b>0.1060</b> |     | <b>3,130.4270</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.8354        | 8.7106        | 13.8183        | 0.0230        |               | 0.3197        | 0.3197        |                | 0.3118        | 0.3118        |          | 2,198.1263        | 2,198.1263        | 0.3584        |     | 2,207.0849        |
| <b>Total</b> | <b>0.8354</b> | <b>8.7106</b> | <b>13.8183</b> | <b>0.0230</b> |               | <b>0.3197</b> | <b>0.3197</b> |                | <b>0.3118</b> | <b>0.3118</b> |          | <b>2,198.1263</b> | <b>2,198.1263</b> | <b>0.3584</b> |     | <b>2,207.0849</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0718        | 2.8460        | 0.5625        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,096.4759        | 1,096.4759        | 0.0559        |     | 1,097.8731        |
| Worker       | 0.8353        | 0.4609        | 6.5130        | 0.0197        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,964.0716        | 1,964.0716        | 0.0457        |     | 1,965.2129        |
| <b>Total</b> | <b>0.9071</b> | <b>3.3068</b> | <b>7.0755</b> | <b>0.0301</b> | <b>2.4917</b> | <b>0.0161</b> | <b>2.5078</b> | <b>0.6666</b>  | <b>0.0149</b> | <b>0.6816</b> |          | <b>3,060.5475</b> | <b>3,060.5475</b> | <b>0.1015</b> |     | <b>3,063.0860</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.5 Construction - East Building - 2024**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2886        | 2.5886        | 15.5636        | 0.0230        |               | 0.0337        | 0.0337        |                | 0.0337        | 0.0337        | 0.0000        | 2,198.1263        | 2,198.1263        | 0.3584        |     | 2,207.0849        |
| <b>Total</b> | <b>0.2886</b> | <b>2.5886</b> | <b>15.5636</b> | <b>0.0230</b> |               | <b>0.0337</b> | <b>0.0337</b> |                | <b>0.0337</b> | <b>0.0337</b> | <b>0.0000</b> | <b>2,198.1263</b> | <b>2,198.1263</b> | <b>0.3584</b> |     | <b>2,207.0849</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0718        | 2.8460        | 0.5625        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,096.4759        | 1,096.4759        | 0.0559        |     | 1,097.8731        |
| Worker       | 0.8353        | 0.4609        | 6.5130        | 0.0197        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,964.0716        | 1,964.0716        | 0.0457        |     | 1,965.2129        |
| <b>Total</b> | <b>0.9071</b> | <b>3.3068</b> | <b>7.0755</b> | <b>0.0301</b> | <b>2.4917</b> | <b>0.0161</b> | <b>2.5078</b> | <b>0.6666</b>  | <b>0.0149</b> | <b>0.6816</b> |          | <b>3,060.5475</b> | <b>3,060.5475</b> | <b>0.1015</b> |     | <b>3,063.0860</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.6 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 2.6513        | 0.0000        | 2.6513        | 0.2863         | 0.0000        | 0.2863        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.5506        | 29.6686        | 16.4479        | 0.0427        |               | 1.1687        | 1.1687        |                | 1.0752        | 1.0752        |          | 4,137.8452        | 4,137.8452        | 1.3383        |     | 4,171.3018        |
| <b>Total</b>  | <b>2.5506</b> | <b>29.6686</b> | <b>16.4479</b> | <b>0.0427</b> | <b>2.6513</b> | <b>1.1687</b> | <b>3.8199</b> | <b>0.2863</b>  | <b>1.0752</b> | <b>1.3615</b> |          | <b>4,137.8452</b> | <b>4,137.8452</b> | <b>1.3383</b> |     | <b>4,171.3018</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.6 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |               |                |               | 1.0340        | 0.0000        | 1.0340        | 0.1117         | 0.0000        | 0.1117        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.5248        | 2.2742        | 20.8520        | 0.0427        |               | 0.0700        | 0.0700        |                | 0.0700        | 0.0700        | 0.0000        | 4,137.845<br>2         | 4,137.845<br>2         | 1.3383        |     | 4,171.301<br>8         |
| <b>Total</b>  | <b>0.5248</b> | <b>2.2742</b> | <b>20.8520</b> | <b>0.0427</b> | <b>1.0340</b> | <b>0.0700</b> | <b>1.1040</b> | <b>0.1117</b>  | <b>0.0700</b> | <b>0.1816</b> | <b>0.0000</b> | <b>4,137.845<br/>2</b> | <b>4,137.845<br/>2</b> | <b>1.3383</b> |     | <b>4,171.301<br/>8</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1898        | 0.1130        | 1.5212        | 4.2400e-003        | 0.4471        | 2.7800e-003        | 0.4499        | 0.1186         | 2.5600e-003        | 0.1211        |          | 421.8410        | 421.8410        | 0.0112        |     | 422.1203        |
| <b>Total</b> | <b>0.1898</b> | <b>0.1130</b> | <b>1.5212</b> | <b>4.2400e-003</b> | <b>0.4471</b> | <b>2.7800e-003</b> | <b>0.4499</b> | <b>0.1186</b>  | <b>2.5600e-003</b> | <b>0.1211</b> |          | <b>421.8410</b> | <b>421.8410</b> | <b>0.0112</b> |     | <b>422.1203</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.7 Trenching/Utilities - West Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.1549        | 0.0000        | 1.1549        | 0.1288         | 0.0000        | 0.1288        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.8763        | 20.4507        | 12.0655        | 0.0255        |               | 1.0225        | 1.0225        |                | 0.9407        | 0.9407        |          | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>1.8763</b> | <b>20.4507</b> | <b>12.0655</b> | <b>0.0255</b> | <b>1.1549</b> | <b>1.0225</b> | <b>2.1774</b> | <b>0.1288</b>  | <b>0.9407</b> | <b>1.0695</b> |          | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.6741        | 25.1038        | 4.1100        | 0.0922        | 2.1000        | 0.0642        | 2.1641        | 0.5757         | 0.0614        | 0.6371        |          | 9,792.2529         | 9,792.2529         | 0.5182        |     | 9,805.2066         |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Worker       | 0.1898        | 0.1130         | 1.5212        | 4.2400e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 421.8410           | 421.8410           | 0.0112        |     | 422.1203           |
| <b>Total</b> | <b>0.8639</b> | <b>25.2168</b> | <b>5.6312</b> | <b>0.0964</b> | <b>2.5471</b> | <b>0.0669</b> | <b>2.6140</b> | <b>0.6943</b>  | <b>0.0639</b> | <b>0.7582</b> |          | <b>10,214.0939</b> | <b>10,214.0939</b> | <b>0.5293</b> |     | <b>10,227.3269</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.7 Trenching/Utilities - West Building - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 0.4504        | 0.0000        | 0.4504        | 0.0502         | 0.0000        | 0.0502        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.3135        | 1.3583        | 14.5064        | 0.0255        |               | 0.0418        | 0.0418        |                | 0.0418        | 0.0418        | 0.0000        | 2,473.2025        | 2,473.2025        | 0.7999        |     | 2,493.1996        |
| <b>Total</b>  | <b>0.3135</b> | <b>1.3583</b> | <b>14.5064</b> | <b>0.0255</b> | <b>0.4504</b> | <b>0.0418</b> | <b>0.4922</b> | <b>0.0502</b>  | <b>0.0418</b> | <b>0.0920</b> | <b>0.0000</b> | <b>2,473.2025</b> | <b>2,473.2025</b> | <b>0.7999</b> |     | <b>2,493.1996</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.6741        | 25.1038        | 4.1100        | 0.0922        | 2.1000        | 0.0642        | 2.1641        | 0.5757         | 0.0614        | 0.6371        |          | 9,792.2529         | 9,792.2529         | 0.5182        |     | 9,805.2066         |
| Vendor       | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Worker       | 0.1898        | 0.1130         | 1.5212        | 4.2400e-003   | 0.4471        | 2.7800e-003   | 0.4499        | 0.1186         | 2.5600e-003   | 0.1211        |          | 421.8410           | 421.8410           | 0.0112        |     | 422.1203           |
| <b>Total</b> | <b>0.8639</b> | <b>25.2168</b> | <b>5.6312</b> | <b>0.0964</b> | <b>2.5471</b> | <b>0.0669</b> | <b>2.6140</b> | <b>0.6943</b>  | <b>0.0639</b> | <b>0.7582</b> |          | <b>10,214.0939</b> | <b>10,214.0939</b> | <b>0.5293</b> |     | <b>10,227.3269</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8837        | 8.8171        | 11.9287        | 0.0201        |               | 0.3971        | 0.3971        |                | 0.3888        | 0.3888        |          | 1,913.578<br>1         | 1,913.578<br>1         | 0.2751        |     | 1,920.455<br>3         |
| <b>Total</b> | <b>0.8837</b> | <b>8.8171</b> | <b>11.9287</b> | <b>0.0201</b> |               | <b>0.3971</b> | <b>0.3971</b> |                | <b>0.3888</b> | <b>0.3888</b> |          | <b>1,913.578<br/>1</b> | <b>1,913.578<br/>1</b> | <b>0.2751</b> |     | <b>1,920.455<br/>3</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0964        | 3.6585        | 0.6711        | 0.0107        | 0.2562        | 5.5600e-003   | 0.2617        | 0.0738         | 5.3100e-003   | 0.0791        |          | 1,129.230<br>3         | 1,129.230<br>3         | 0.0695        |     | 1,130.966<br>6         |
| Worker       | 0.9490        | 0.5648        | 7.6061        | 0.0212        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 2,109.204<br>8         | 2,109.204<br>8         | 0.0559        |     | 2,110.601<br>4         |
| <b>Total</b> | <b>1.0454</b> | <b>4.2232</b> | <b>8.2772</b> | <b>0.0319</b> | <b>2.4917</b> | <b>0.0194</b> | <b>2.5112</b> | <b>0.6666</b>  | <b>0.0181</b> | <b>0.6847</b> |          | <b>3,238.435<br/>2</b> | <b>3,238.435<br/>2</b> | <b>0.1253</b> |     | <b>3,241.567<br/>9</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.578<br>1         | 1,913.578<br>1         | 0.2751        |     | 1,920.455<br>3         |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.578<br/>1</b> | <b>1,913.578<br/>1</b> | <b>0.2751</b> |     | <b>1,920.455<br/>3</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0964        | 3.6585        | 0.6711        | 0.0107        | 0.2562        | 5.5600e-003   | 0.2617        | 0.0738         | 5.3100e-003   | 0.0791        |          | 1,129.230<br>3         | 1,129.230<br>3         | 0.0695        |     | 1,130.966<br>6         |
| Worker       | 0.9490        | 0.5648        | 7.6061        | 0.0212        | 2.2355        | 0.0139        | 2.2494        | 0.5929         | 0.0128        | 0.6057        |          | 2,109.204<br>8         | 2,109.204<br>8         | 0.0559        |     | 2,110.601<br>4         |
| <b>Total</b> | <b>1.0454</b> | <b>4.2232</b> | <b>8.2772</b> | <b>0.0319</b> | <b>2.4917</b> | <b>0.0194</b> | <b>2.5112</b> | <b>0.6666</b>  | <b>0.0181</b> | <b>0.6847</b> |          | <b>3,238.435<br/>2</b> | <b>3,238.435<br/>2</b> | <b>0.1253</b> |     | <b>3,241.567<br/>9</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8233        | 8.2299        | 11.9133        | 0.0201        |               | 0.3464        | 0.3464        |                | 0.3392        | 0.3392        |          | 1,913.676<br>1         | 1,913.676<br>1         | 0.2707        |     | 1,920.444<br>4         |
| <b>Total</b> | <b>0.8233</b> | <b>8.2299</b> | <b>11.9133</b> | <b>0.0201</b> |               | <b>0.3464</b> | <b>0.3464</b> |                | <b>0.3392</b> | <b>0.3392</b> |          | <b>1,913.676<br/>1</b> | <b>1,913.676<br/>1</b> | <b>0.2707</b> |     | <b>1,920.444<br/>4</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,097.877<br>9         | 1,097.877<br>9         | 0.0559        |     | 1,099.276<br>3         |
| Worker       | 0.8878        | 0.5086        | 6.9841        | 0.0204        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 2,029.900<br>4         | 2,029.900<br>4         | 0.0500        |     | 2,031.150<br>7         |
| <b>Total</b> | <b>0.9606</b> | <b>3.3414</b> | <b>7.5689</b> | <b>0.0308</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6817</b> |          | <b>3,127.778<br/>3</b> | <b>3,127.778<br/>3</b> | <b>0.1060</b> |     | <b>3,130.427<br/>0</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.6760        | 1,913.6760        | 0.2707        |     | 1,920.4444        |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.6760</b> | <b>1,913.6760</b> | <b>0.2707</b> |     | <b>1,920.4444</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.8878        | 0.5086        | 6.9841        | 0.0204        | 2.2355        | 0.0135        | 2.2490        | 0.5929         | 0.0124        | 0.6053        |          | 2,029.9004        | 2,029.9004        | 0.0500        |     | 2,031.1507        |
| <b>Total</b> | <b>0.9606</b> | <b>3.3414</b> | <b>7.5689</b> | <b>0.0308</b> | <b>2.4917</b> | <b>0.0162</b> | <b>2.5079</b> | <b>0.6666</b>  | <b>0.0150</b> | <b>0.6817</b> |          | <b>3,127.7783</b> | <b>3,127.7783</b> | <b>0.1060</b> |     | <b>3,130.4270</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.7749        | 7.7896        | 11.9059        | 0.0201        |               | 0.3037        | 0.3037        |                | 0.2971        | 0.2971        |          | 1,913.5416        | 1,913.5416        | 0.2663        |     | 1,920.1992        |
| <b>Total</b> | <b>0.7749</b> | <b>7.7896</b> | <b>11.9059</b> | <b>0.0201</b> |               | <b>0.3037</b> | <b>0.3037</b> |                | <b>0.2971</b> | <b>0.2971</b> |          | <b>1,913.5416</b> | <b>1,913.5416</b> | <b>0.2663</b> |     | <b>1,920.1992</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0718        | 2.8460        | 0.5625        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,096.4759        | 1,096.4759        | 0.0559        |     | 1,097.8731        |
| Worker       | 0.8353        | 0.4609        | 6.5130        | 0.0197        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,964.0716        | 1,964.0716        | 0.0457        |     | 1,965.2129        |
| <b>Total</b> | <b>0.9071</b> | <b>3.3068</b> | <b>7.0755</b> | <b>0.0301</b> | <b>2.4917</b> | <b>0.0161</b> | <b>2.5078</b> | <b>0.6666</b>  | <b>0.0149</b> | <b>0.6816</b> |          | <b>3,060.5475</b> | <b>3,060.5475</b> | <b>0.1015</b> |     | <b>3,063.0860</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.8 Construction - West Building - 2024**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2162        | 0.9369        | 13.3333        | 0.0201        |               | 0.0288        | 0.0288        |                | 0.0288        | 0.0288        | 0.0000        | 1,913.5416        | 1,913.5416        | 0.2663        |     | 1,920.1992        |
| <b>Total</b> | <b>0.2162</b> | <b>0.9369</b> | <b>13.3333</b> | <b>0.0201</b> |               | <b>0.0288</b> | <b>0.0288</b> |                | <b>0.0288</b> | <b>0.0288</b> | <b>0.0000</b> | <b>1,913.5416</b> | <b>1,913.5416</b> | <b>0.2663</b> |     | <b>1,920.1992</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0718        | 2.8460        | 0.5625        | 0.0104        | 0.2562        | 2.7300e-003   | 0.2589        | 0.0738         | 2.6100e-003   | 0.0764        |          | 1,096.4759        | 1,096.4759        | 0.0559        |     | 1,097.8731        |
| Worker       | 0.8353        | 0.4609        | 6.5130        | 0.0197        | 2.2355        | 0.0134        | 2.2489        | 0.5929         | 0.0123        | 0.6052        |          | 1,964.0716        | 1,964.0716        | 0.0457        |     | 1,965.2129        |
| <b>Total</b> | <b>0.9071</b> | <b>3.3068</b> | <b>7.0755</b> | <b>0.0301</b> | <b>2.4917</b> | <b>0.0161</b> | <b>2.5078</b> | <b>0.6666</b>  | <b>0.0149</b> | <b>0.6816</b> |          | <b>3,060.5475</b> | <b>3,060.5475</b> | <b>0.1015</b> |     | <b>3,063.0860</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.9 Paving - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0437        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0764</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003        | 0.2589        | 0.0738         | 2.6100e-003        | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801          | 405.9801          | 0.0100        |     | 406.2301          |
| <b>Total</b> | <b>0.2504</b> | <b>2.9345</b> | <b>1.9816</b> | <b>0.0145</b> | <b>0.7033</b> | <b>5.4300e-003</b> | <b>0.7087</b> | <b>0.1923</b>  | <b>5.1000e-003</b> | <b>0.1974</b> |          | <b>1,503.8580</b> | <b>1,503.8580</b> | <b>0.0659</b> |     | <b>1,505.5065</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.9 Paving - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2805        | 1.2154        | 17.2957        | 0.0228        |               | 0.0374        | 0.0374        |                | 0.0374        | 0.0374        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0437        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3241</b> | <b>1.2154</b> | <b>17.2957</b> | <b>0.0228</b> |               | <b>0.0374</b> | <b>0.0374</b> |                | <b>0.0374</b> | <b>0.0374</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003        | 0.2589        | 0.0738         | 2.6100e-003        | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801          | 405.9801          | 0.0100        |     | 406.2301          |
| <b>Total</b> | <b>0.2504</b> | <b>2.9345</b> | <b>1.9816</b> | <b>0.0145</b> | <b>0.7033</b> | <b>5.4300e-003</b> | <b>0.7087</b> | <b>0.1923</b>  | <b>5.1000e-003</b> | <b>0.1974</b> |          | <b>1,503.8580</b> | <b>1,503.8580</b> | <b>0.0659</b> |     | <b>1,505.5065</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.10 Architectural Coatings - East Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        |          | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> |          | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801        | 405.9801        | 0.0100        |     | 406.2301        |
| <b>Total</b> | <b>0.1776</b> | <b>0.1017</b> | <b>1.3968</b> | <b>4.0700e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>405.9801</b> | <b>405.9801</b> | <b>0.0100</b> |     | <b>406.2301</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.10 Architectural Coatings - East Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        | 0.0000        | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> | <b>0.0000</b> | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801        | 405.9801        | 0.0100        |     | 406.2301        |
| <b>Total</b> | <b>0.1776</b> | <b>0.1017</b> | <b>1.3968</b> | <b>4.0700e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>405.9801</b> | <b>405.9801</b> | <b>0.0100</b> |     | <b>406.2301</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.11 Paving - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0491        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0819</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003        | 0.2589        | 0.0738         | 2.6100e-003        | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801          | 405.9801          | 0.0100        |     | 406.2301          |
| <b>Total</b> | <b>0.2504</b> | <b>2.9345</b> | <b>1.9816</b> | <b>0.0145</b> | <b>0.7033</b> | <b>5.4300e-003</b> | <b>0.7087</b> | <b>0.1923</b>  | <b>5.1000e-003</b> | <b>0.1974</b> |          | <b>1,503.8580</b> | <b>1,503.8580</b> | <b>0.0659</b> |     | <b>1,505.5065</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.11 Paving - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2805        | 1.2154        | 17.2957        | 0.0228        |               | 0.0374        | 0.0374        |                | 0.0374        | 0.0374        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0491        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3296</b> | <b>1.2154</b> | <b>17.2957</b> | <b>0.0228</b> |               | <b>0.0374</b> | <b>0.0374</b> |                | <b>0.0374</b> | <b>0.0374</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0728        | 2.8328        | 0.5848        | 0.0104        | 0.2562        | 2.7300e-003        | 0.2589        | 0.0738         | 2.6100e-003        | 0.0764        |          | 1,097.8779        | 1,097.8779        | 0.0559        |     | 1,099.2763        |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003   | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801          | 405.9801          | 0.0100        |     | 406.2301          |
| <b>Total</b> | <b>0.2504</b> | <b>2.9345</b> | <b>1.9816</b> | <b>0.0145</b> | <b>0.7033</b> | <b>5.4300e-003</b> | <b>0.7087</b> | <b>0.1923</b>  | <b>5.1000e-003</b> | <b>0.1974</b> |          | <b>1,503.8580</b> | <b>1,503.8580</b> | <b>0.0659</b> |     | <b>1,505.5065</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.12 Architectural Coatings - West Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        |          | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> |          | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801        | 405.9801        | 0.0100        |     | 406.2301        |
| <b>Total</b> | <b>0.1776</b> | <b>0.1017</b> | <b>1.3968</b> | <b>4.0700e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>405.9801</b> | <b>405.9801</b> | <b>0.0100</b> |     | <b>406.2301</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**3.12 Architectural Coatings - West Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.2773        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.4432         | 2.7677        | 2.2273        | 5.0800e-003        |               | 0.1232        | 0.1232        |                | 0.1232        | 0.1232        | 0.0000        | 360.8308        | 360.8308        | 0.0400        |     | 361.8309        |
| <b>Total</b>    | <b>21.7205</b> | <b>2.7677</b> | <b>2.2273</b> | <b>5.0800e-003</b> |               | <b>0.1232</b> | <b>0.1232</b> |                | <b>0.1232</b> | <b>0.1232</b> | <b>0.0000</b> | <b>360.8308</b> | <b>360.8308</b> | <b>0.0400</b> |     | <b>361.8309</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.1776        | 0.1017        | 1.3968        | 4.0700e-003        | 0.4471        | 2.7000e-003        | 0.4498        | 0.1186         | 2.4900e-003        | 0.1211        |          | 405.9801        | 405.9801        | 0.0100        |     | 406.2301        |
| <b>Total</b> | <b>0.1776</b> | <b>0.1017</b> | <b>1.3968</b> | <b>4.0700e-003</b> | <b>0.4471</b> | <b>2.7000e-003</b> | <b>0.4498</b> | <b>0.1186</b>  | <b>2.4900e-003</b> | <b>0.1211</b> |          | <b>405.9801</b> | <b>405.9801</b> | <b>0.0100</b> |     | <b>406.2301</b> |

**4.0 Operational Detail - Mobile**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2       | Total CO2       | CH4    | N2O | CO2e            |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|-----|-----------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |                 |                 |        |     |                 |
| Mitigated   | 3.0849 | 4.3164 | 37.6510 | 0.1091 | 11.5219       | 0.0738       | 11.5957    | 3.0591         | 0.0683        | 3.1273      |          | 10,896.37<br>31 | 10,896.37<br>31 | 0.3776 |     | 10,905.81<br>27 |
| Unmitigated | 3.0849 | 4.3164 | 37.6510 | 0.1091 | 11.5219       | 0.0738       | 11.5957    | 3.0591         | 0.0683        | 3.1273      |          | 10,896.37<br>31 | 10,896.37<br>31 | 0.3776 |     | 10,905.81<br>27 |

**4.2 Trip Summary Information**

| Land Use                       | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|--------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                                | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Apartments Mid Rise            | 1,420.10                | 1,420.10        | 1420.10         | 5,200,168        | 5,200,168        |
| City Park                      | 0.00                    | 0.00            | 0.00            |                  |                  |
| Condo/Townhouse                | 0.00                    | 0.00            | 0.00            |                  |                  |
| Enclosed Parking with Elevator | 0.00                    | 0.00            | 0.00            |                  |                  |
| General Office Building        | 0.00                    | 0.00            | 0.00            |                  |                  |
| Parking Lot                    | 0.00                    | 0.00            | 0.00            |                  |                  |
| Recreational Swimming Pool     | 0.00                    | 0.00            | 0.00            |                  |                  |
| Strip Mall                     | 83.16                   | 83.16           | 83.16           | 304,501          | 304,501          |
| <b>Total</b>                   | <b>1,503.25</b>         | <b>1,503.25</b> | <b>1,503.25</b> | <b>5,504,669</b> | <b>5,504,669</b> |

**4.3 Trip Type Information**

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

| Land Use                       | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|--------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                                | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Mid Rise            | 10.06      | 10.06      | 10.06       | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse                | 14.70      | 5.90       | 8.70        | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| General Office Building        | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Parking Lot                    | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Recreational Swimming Pool     | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 52             | 39       | 9       |
| Strip Mall                     | 10.06      | 10.06      | 10.06       | 16.60      | 64.40      | 19.00       | 100            | 0        | 0       |

4.4 Fleet Mix

| Land Use                       | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise            | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| City Park                      | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Condo/Townhouse                | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| Enclosed Parking with Elevator | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| General Office Building        | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Parking Lot                    | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Recreational Swimming Pool     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Strip Mall                     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| NaturalGas Mitigated   | 0.1113 | 0.9517 | 0.4074 | 6.0700e-003 |               | 0.0769       | 0.0769     |                | 0.0769        | 0.0769      |          | 1,214.5228 | 1,214.5228 | 0.0233 | 0.0223 | 1,221.7401 |
| NaturalGas Unmitigated | 0.1113 | 0.9517 | 0.4074 | 6.0700e-003 |               | 0.0769       | 0.0769     |                | 0.0769        | 0.0769      |          | 1,214.5228 | 1,214.5228 | 0.0233 | 0.0223 | 1,221.7401 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use                       | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Apartments Mid Rise            | 10205.3        | 0.1101        | 0.9405        | 0.4002        | 6.0000e-003        |               | 0.0760        | 0.0760        |                | 0.0760        | 0.0760        |          | 1,200.6247        | 1,200.6247        | 0.0230        | 0.0220        | 1,207.7594        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse                | 57.8082        | 6.2000e-004   | 5.3300e-003   | 2.2700e-003   | 3.0000e-005        |               | 4.3000e-004   | 4.3000e-004   |                | 4.3000e-004   | 4.3000e-004   |          | 6.8010            | 6.8010            | 1.3000e-004   | 1.2000e-004   | 6.8414            |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| General Office Building        | 45.5096        | 4.9000e-004   | 4.4600e-003   | 3.7500e-003   | 3.0000e-005        |               | 3.4000e-004   | 3.4000e-004   |                | 3.4000e-004   | 3.4000e-004   |          | 5.3541            | 5.3541            | 1.0000e-004   | 1.0000e-004   | 5.3859            |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Strip Mall                     | 14.8162        | 1.6000e-004   | 1.4500e-003   | 1.2200e-003   | 1.0000e-005        |               | 1.1000e-004   | 1.1000e-004   |                | 1.1000e-004   | 1.1000e-004   |          | 1.7431            | 1.7431            | 3.0000e-005   | 3.0000e-005   | 1.7534            |
| <b>Total</b>                   |                | <b>0.1113</b> | <b>0.9517</b> | <b>0.4075</b> | <b>6.0700e-003</b> |               | <b>0.0769</b> | <b>0.0769</b> |                | <b>0.0769</b> | <b>0.0769</b> |          | <b>1,214.5228</b> | <b>1,214.5228</b> | <b>0.0233</b> | <b>0.0223</b> | <b>1,221.7401</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use                       | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Apartments Mid Rise            | 10.2053        | 0.1101        | 0.9405        | 0.4002        | 6.0000e-003        |               | 0.0760        | 0.0760        |                | 0.0760        | 0.0760        |          | 1,200.6247        | 1,200.6247        | 0.0230        | 0.0220        | 1,207.7594        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse                | 0.0578082      | 6.2000e-004   | 5.3300e-003   | 2.2700e-003   | 3.0000e-005        |               | 4.3000e-004   | 4.3000e-004   |                | 4.3000e-004   | 4.3000e-004   |          | 6.8010            | 6.8010            | 1.3000e-004   | 1.2000e-004   | 6.8414            |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| General Office Building        | 0.0455096      | 4.9000e-004   | 4.4600e-003   | 3.7500e-003   | 3.0000e-005        |               | 3.4000e-004   | 3.4000e-004   |                | 3.4000e-004   | 3.4000e-004   |          | 5.3541            | 5.3541            | 1.0000e-004   | 1.0000e-004   | 5.3859            |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Strip Mall                     | 0.0148162      | 1.6000e-004   | 1.4500e-003   | 1.2200e-003   | 1.0000e-005        |               | 1.1000e-004   | 1.1000e-004   |                | 1.1000e-004   | 1.1000e-004   |          | 1.7431            | 1.7431            | 3.0000e-005   | 3.0000e-005   | 1.7534            |
| <b>Total</b>                   |                | <b>0.1113</b> | <b>0.9517</b> | <b>0.4075</b> | <b>6.0700e-003</b> |               | <b>0.0769</b> | <b>0.0769</b> |                | <b>0.0769</b> | <b>0.0769</b> |          | <b>1,214.5228</b> | <b>1,214.5228</b> | <b>0.0233</b> | <b>0.0223</b> | <b>1,221.7401</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

|             | ROG    | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O         | CO2e    |
|-------------|--------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|---------|
| Category    | lb/day |        |         |             |               |              |            |                |               |             | lb/day   |           |           |        |             |         |
| Mitigated   | 5.7822 | 0.2807 | 21.5107 | 1.3500e-003 |               | 0.1217       | 0.1217     |                | 0.1217        | 0.1217      | 0.0000   | 81.0951   | 81.0951   | 0.0382 | 7.8000e-004 | 82.2810 |
| Unmitigated | 5.7822 | 0.2807 | 21.5107 | 1.3500e-003 |               | 0.1217       | 0.1217     |                | 0.1217        | 0.1217      | 0.0000   | 81.0951   | 81.0951   | 0.0382 | 7.8000e-004 | 82.2810 |

6.2 Area by SubCategory

Unmitigated

|                       | ROG           | NOx           | CO             | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O                | CO2e           |
|-----------------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------------|----------------|
| SubCategory           | lb/day        |               |                |                    |               |               |               |                |               |               | lb/day        |                |                |               |                    |                |
| Architectural Coating | 0.4197        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Consumer Products     | 4.7088        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Hearth                | 3.8800e-003   | 0.0332        | 0.0141         | 2.1000e-004        |               | 2.6800e-003   | 2.6800e-003   |                | 2.6800e-003   | 2.6800e-003   | 0.0000        | 42.3529        | 42.3529        | 8.1000e-004   | 7.8000e-004        | 42.6046        |
| Landscaping           | 0.6498        | 0.2475        | 21.4966        | 1.1400e-003        |               | 0.1190        | 0.1190        |                | 0.1190        | 0.1190        |               | 38.7422        | 38.7422        | 0.0374        |                    | 39.6764        |
| <b>Total</b>          | <b>5.7822</b> | <b>0.2807</b> | <b>21.5107</b> | <b>1.3500e-003</b> |               | <b>0.1217</b> | <b>0.1217</b> |                | <b>0.1217</b> | <b>0.1217</b> | <b>0.0000</b> | <b>81.0951</b> | <b>81.0951</b> | <b>0.0382</b> | <b>7.8000e-004</b> | <b>82.2810</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

|                       | ROG           | NOx           | CO             | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O                | CO2e           |
|-----------------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|--------------------|----------------|
| SubCategory           | lb/day        |               |                |                    |               |               |               |                |               |               | lb/day        |                |                |               |                    |                |
| Architectural Coating | 0.4197        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Consumer Products     | 4.7088        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |                    | 0.0000         |
| Hearth                | 3.8800e-003   | 0.0332        | 0.0141         | 2.1000e-004        |               | 2.6800e-003   | 2.6800e-003   |                | 2.6800e-003   | 2.6800e-003   | 0.0000        | 42.3529        | 42.3529        | 8.1000e-004   | 7.8000e-004        | 42.6046        |
| Landscaping           | 0.6498        | 0.2475        | 21.4966        | 1.1400e-003        |               | 0.1190        | 0.1190        |                | 0.1190        | 0.1190        |               | 38.7422        | 38.7422        | 0.0374        |                    | 39.6764        |
| <b>Total</b>          | <b>5.7822</b> | <b>0.2807</b> | <b>21.5107</b> | <b>1.3500e-003</b> |               | <b>0.1217</b> | <b>0.1217</b> |                | <b>0.1217</b> | <b>0.1217</b> | <b>0.0000</b> | <b>81.0951</b> | <b>81.0951</b> | <b>0.0382</b> | <b>7.8000e-004</b> | <b>82.2810</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Summer

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**Alta Cuvee Mixed-Use Project**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                      | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|--------|---------------|-------------|--------------------|------------|
| General Office Building        | 5.54   | 1000sqft      | 0.13        | 5,537.00           | 0          |
| Enclosed Parking with Elevator | 330.00 | Space         | 0.00        | 111,850.00         | 0          |
| Parking Lot                    | 200.00 | Space         | 1.80        | 64,690.00          | 0          |
| City Park                      | 0.33   | Acre          | 0.33        | 14,375.00          | 0          |
| Recreational Swimming Pool     | 3.58   | 1000sqft      | 0.00        | 3,572.00           | 0          |
| Apartments Mid Rise            | 259.00 | Dwelling Unit | 3.00        | 225,079.00         | 785        |
| Condo/Townhouse                | 1.00   | Dwelling Unit | 0.00        | 1,570.00           | 3          |
| Strip Mall                     | 2.44   | 1000sqft      | 0.00        | 2,436.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RCMU 2020 Power Content Label for CO2e Intensity: 630 lbCO2e/MWh

Land Use - Project Design Land Uses:  
 Apartments: 226,649 SF (Includes Live/Work Unit)  
 Retail: 2,436 SF

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Sub. Parking: ~11,850 SF

Sfc. Parking: 64,690 SF

Leasing Office: 5,537 SF

Construction Phase - Schedule Provided by Applicant.

Site Preparation = Grading - East Building

Grading = Grading - West Building

Off-road Equipment - Project Equipment Inventory Provided by Applicant

Off-road Equipment - Project Inventory Provided by Applicant

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

"Grading" - West Grading

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment -

Off-road Equipment - Project Inventory provided by Applicant.

"Site Preparation" = East Grading

Off-road Equipment - Project Inventory provided by Applicant.

Off-road Equipment - Project Inventory provided by Applicant.

Trips and VMT - 60 haul loads per day during excavation/trenching extrapolated for entire phases.

Up to 20 vendor deliveries per day during construction.

Approximately 50-300 workers on-site during construction.

Grading - 50,080 total exported (60% for West Bldg, 40% for East Bldg.)

Architectural Coating - SCAQMD Rule 1113 Compliance for Building Envelope and residential coatings - 50 g/L

Vehicle Trips - 1,420 daily residential trips/259 apartments = 5.483 trips/du

83 daily shopping trips/2.436 ksf = 34.08trips/ksf

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No Fireplaces in units per Project Design

1 Outdoor Fireplace Included

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Area Coating - SCAQMD Rule 1113 Compliance for Building Envelope coatings: 50 g/L

Energy Use - Updated to 2019 Title 24 Energy Factors (CAPCOA, 2020)

Water And Wastewater - MND Estimated Project Water Use: Residential: 66,560 gal/day; Non-residential: 8,164 gal/day

Solid Waste - Waste Generation from MND Calculations: 12.23 lb/DU/day x 260 DU x 365 days/yr = 580.3135 tons solid waste

Construction Off-road Equipment Mitigation - Best management practices to comply with SCAQMD Rule 403 include watering exposed areas thrice daily.

Mobile Land Use Mitigation - Electric Vehicle Charging Provided (Not Quantified)

Area Mitigation - SCAQMD Rule 1113 Compliance for Building Envelop  
Project Design does not include hearths/fireplaces in units, only 1 outdoor fireplace.

Energy Mitigation - High-Efficiency Appliances.

Water Mitigation -

Fleet Mix - Residential Trips

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 100.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 100           | 50        |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 6.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated      | 0.00          | 4.00      |

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|                         |                            |           |              |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 3.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 4.00         |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 72.00        |
| tblConstructionPhase    | NumDays                    | 230.00    | 534.00       |
| tblConstructionPhase    | NumDays                    | 230.00    | 378.00       |
| tblConstructionPhase    | NumDays                    | 20.00     | 12.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 24.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 18.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 96.00        |
| tblConstructionPhase    | NumDays                    | 20.00     | 108.00       |
| tblConstructionPhase    | NumDays                    | 10.00     | 36.00        |
| tblConstructionPhase    | NumDays                    | 10.00     | 24.00        |

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|                      |                   |           |           |
|----------------------|-------------------|-----------|-----------|
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblConstructionPhase | NumDaysWeek       | 5.00      | 6.00      |
| tblEnergyUse         | T24E              | 772.17    | 164.47    |
| tblEnergyUse         | T24E              | 845.95    | 177.65    |
| tblEnergyUse         | T24E              | 3.92      | 3.50      |
| tblEnergyUse         | T24E              | 3.07      | 2.74      |
| tblEnergyUse         | T24E              | 4.58      | 4.09      |
| tblEnergyUse         | T24NG             | 8,764.08  | 8,352.00  |
| tblEnergyUse         | T24NG             | 16,633.53 | 15,070.00 |
| tblEnergyUse         | T24NG             | 3.47      | 3.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 0.00      |
| tblFireplaces        | FireplaceDayYear  | 25.00     | 365.00    |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 0.00      |
| tblFireplaces        | FireplaceHourDay  | 3.00      | 6.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | FireplaceWoodMass | 1,019.20  | 0.00      |
| tblFireplaces        | NumberGas         | 220.15    | 0.00      |
| tblFireplaces        | NumberGas         | 0.85      | 1.00      |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|               |                   |             |             |
|---------------|-------------------|-------------|-------------|
| tblFireplaces | NumberNoFireplace | 25.90       | 0.00        |
| tblFireplaces | NumberNoFireplace | 0.10        | 0.00        |
| tblFireplaces | NumberWood        | 12.95       | 0.00        |
| tblFireplaces | NumberWood        | 0.05        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | HHD               | 0.07        | 0.00        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDA               | 0.56        | 0.60        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT1              | 0.04        | 0.06        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LDT2              | 0.18        | 0.19        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD1              | 0.01        | 0.02        |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | LHD2              | 4.7940e-003 | 5.0000e-003 |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MCY               | 5.7250e-003 | 0.01        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MDV               | 0.11        | 0.12        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MH                | 8.3000e-004 | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | MHD               | 0.02        | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | OBUS              | 1.3650e-003 | 0.00        |
| tblFleetMix   | SBUS              | 7.9900e-004 | 0.00        |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|                     |                            |             |            |
|---------------------|----------------------------|-------------|------------|
| tblFleetMix         | SBUS                       | 7.9900e-004 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblFleetMix         | UBUS                       | 1.4910e-003 | 0.00       |
| tblGrading          | MaterialExported           | 0.00        | 30,048.00  |
| tblGrading          | MaterialExported           | 0.00        | 20,032.00  |
| tblLandUse          | LandUseSquareFeet          | 5,540.00    | 5,537.00   |
| tblLandUse          | LandUseSquareFeet          | 132,000.00  | 111,850.00 |
| tblLandUse          | LandUseSquareFeet          | 80,000.00   | 64,690.00  |
| tblLandUse          | LandUseSquareFeet          | 14,374.80   | 14,375.00  |
| tblLandUse          | LandUseSquareFeet          | 3,580.00    | 3,572.00   |
| tblLandUse          | LandUseSquareFeet          | 259,000.00  | 225,079.00 |
| tblLandUse          | LandUseSquareFeet          | 1,000.00    | 1,570.00   |
| tblLandUse          | LandUseSquareFeet          | 2,440.00    | 2,436.00   |
| tblLandUse          | LotAcreage                 | 2.97        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.08        | 0.00       |
| tblLandUse          | LotAcreage                 | 6.82        | 3.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | LotAcreage                 | 0.06        | 0.00       |
| tblLandUse          | Population                 | 741.00      | 785.00     |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | HorsePower                 | 78.00       | 15.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 5.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00        | 1.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00        | 2.00       |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00        | 1.00       |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|                           |                            |          |          |
|---------------------------|----------------------------|----------|----------|
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00     | 1.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblOffRoadEquipment       | UsageHours                 | 6.00     | 8.00     |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44   | 627.49   |
| tblSolidWaste             | SolidWasteGenerationRate   | 119.14   | 580.32   |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.03     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 0.46     | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 20.41    | 0.00     |
| tblSolidWaste             | SolidWasteGenerationRate   | 2.56     | 20.45    |
| tblTripsAndVMT            | HaulingTripNumber          | 3,756.00 | 4,320.00 |
| tblTripsAndVMT            | HaulingTripNumber          | 2,504.00 | 2,880.00 |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 61.00    | 40.00    |
| tblTripsAndVMT            | VendorTripNumber           | 0.00     | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 13.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 271.00   | 200.00   |
| tblTripsAndVMT            | WorkerTripNumber           | 15.00    | 40.00    |
| tblTripsAndVMT            | WorkerTripNumber           | 54.00    | 40.00    |
| tblVehicleTrips           | CC_TL                      | 8.40     | 10.06    |



## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|                 |        |       |        |
|-----------------|--------|-------|--------|
| tblVehicleTrips | CNW_TL | 6.90  | 10.06  |
| tblVehicleTrips | CW_TL  | 16.60 | 10.06  |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 11.00 | 0.00   |
| tblVehicleTrips | DV_TP  | 40.00 | 0.00   |
| tblVehicleTrips | HO_TL  | 8.70  | 10.06  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HO_TTP | 40.60 | 40.00  |
| tblVehicleTrips | HS_TL  | 5.90  | 10.06  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HS_TTP | 19.20 | 20.00  |
| tblVehicleTrips | HW_TL  | 14.70 | 10.06  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | HW_TTP | 40.20 | 40.00  |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 3.00  | 0.00   |
| tblVehicleTrips | PB_TP  | 15.00 | 0.00   |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 86.00 | 100.00 |
| tblVehicleTrips | PR_TP  | 45.00 | 100.00 |
| tblVehicleTrips | ST_TR  | 6.39  | 5.48   |
| tblVehicleTrips | ST_TR  | 22.75 | 0.00   |
| tblVehicleTrips | ST_TR  | 5.67  | 0.00   |
| tblVehicleTrips | ST_TR  | 2.46  | 0.00   |
| tblVehicleTrips | ST_TR  | 9.10  | 0.00   |
| tblVehicleTrips | ST_TR  | 42.04 | 34.08  |
| tblVehicleTrips | SU_TR  | 5.86  | 5.48   |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|                 |                     |               |               |
|-----------------|---------------------|---------------|---------------|
| tblVehicleTrips | SU_TR               | 16.74         | 0.00          |
| tblVehicleTrips | SU_TR               | 4.84          | 0.00          |
| tblVehicleTrips | SU_TR               | 1.05          | 0.00          |
| tblVehicleTrips | SU_TR               | 13.60         | 0.00          |
| tblVehicleTrips | SU_TR               | 20.43         | 34.08         |
| tblVehicleTrips | WD_TR               | 6.65          | 5.48          |
| tblVehicleTrips | WD_TR               | 1.89          | 0.00          |
| tblVehicleTrips | WD_TR               | 5.81          | 0.00          |
| tblVehicleTrips | WD_TR               | 11.03         | 0.00          |
| tblVehicleTrips | WD_TR               | 33.82         | 0.00          |
| tblVehicleTrips | WD_TR               | 44.32         | 34.08         |
| tblWater        | IndoorWaterUseRate  | 16,874,892.64 | 24,294,400.00 |
| tblWater        | IndoorWaterUseRate  | 65,154.03     | 0.00          |
| tblWater        | IndoorWaterUseRate  | 984,644.96    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 211,732.46    | 0.00          |
| tblWater        | IndoorWaterUseRate  | 180,736.95    | 2,979,860.00  |
| tblWater        | OutdoorWaterUseRate | 603,492.07    | 0.00          |
| tblWater        | OutdoorWaterUseRate | 110,774.26    | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 12.95         | 0.00          |
| tblWoodstoves   | NumberCatalytic     | 0.05          | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 12.95         | 0.00          |
| tblWoodstoves   | NumberNoncatalytic  | 0.05          | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveDayYear    | 25.00         | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |
| tblWoodstoves   | WoodstoveWoodMass   | 999.60        | 0.00          |

## **2.0 Emissions Summary**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**2.1 Overall Construction**

**Unmitigated Construction**

|                | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year           | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| 2022           | 0.3180        | 3.3352        | 2.8841        | 9.5000e-003   | 0.3973        | 0.0992        | 0.4966        | 0.0925         | 0.0936        | 0.1861        | 0.0000        | 867.9131          | 867.9131          | 0.1040        | 0.0000        | 870.5120          |
| 2023           | 2.2507        | 5.3238        | 8.0025        | 0.0201        | 0.8649        | 0.1773        | 1.0423        | 0.2321         | 0.1703        | 0.4024        | 0.0000        | 1,800.9552        | 1,800.9552        | 0.1945        | 0.0000        | 1,805.8182        |
| 2024           | 0.0883        | 0.6245        | 1.0228        | 2.6800e-003   | 0.1320        | 0.0177        | 0.1497        | 0.0354         | 0.0172        | 0.0526        | 0.0000        | 241.0044          | 241.0044          | 0.0199        | 0.0000        | 241.5027          |
| <b>Maximum</b> | <b>2.2507</b> | <b>5.3238</b> | <b>8.0025</b> | <b>0.0201</b> | <b>0.8649</b> | <b>0.1773</b> | <b>1.0423</b> | <b>0.2321</b>  | <b>0.1703</b> | <b>0.4024</b> | <b>0.0000</b> | <b>1,800.9552</b> | <b>1,800.9552</b> | <b>0.1945</b> | <b>0.0000</b> | <b>1,805.8182</b> |

**Mitigated Construction**

|                | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year           | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| 2022           | 0.1644        | 1.4872        | 3.2117        | 9.5000e-003   | 0.3422        | 9.7700e-003   | 0.3520        | 0.0865         | 9.5500e-003   | 0.0960        | 0.0000        | 867.9127          | 867.9127          | 0.1040        | 0.0000        | 870.5116          |
| 2023           | 1.9864        | 2.2449        | 8.7719        | 0.0201        | 0.8649        | 0.0283        | 0.8932        | 0.2321         | 0.0278        | 0.2600        | 0.0000        | 1,800.9542        | 1,800.9542        | 0.1945        | 0.0000        | 1,805.8173        |
| 2024           | 0.0584        | 0.2720        | 1.1075        | 2.6800e-003   | 0.1320        | 2.5400e-003   | 0.1346        | 0.0354         | 2.4800e-003   | 0.0379        | 0.0000        | 241.0043          | 241.0043          | 0.0199        | 0.0000        | 241.5026          |
| <b>Maximum</b> | <b>1.9864</b> | <b>2.2449</b> | <b>8.7719</b> | <b>0.0201</b> | <b>0.8649</b> | <b>0.0283</b> | <b>0.8932</b> | <b>0.2321</b>  | <b>0.0278</b> | <b>0.2600</b> | <b>0.0000</b> | <b>1,800.9542</b> | <b>1,800.9542</b> | <b>0.1945</b> | <b>0.0000</b> | <b>1,805.8173</b> |

## Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|                   | ROG   | NOx   | CO    | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N20  | CO2e |
|-------------------|-------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 16.85 | 56.87 | -9.92 | 0.00 | 3.95          | 86.21        | 18.29      | 1.68           | 85.82         | 38.57       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date  | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1       | 3-7-2022   | 6-6-2022  | 1.1774                                       | 0.4720                                     |
| 2       | 6-7-2022   | 9-6-2022  | 0.6939                                       | 0.3597                                     |
| 3       | 9-7-2022   | 12-6-2022 | 1.0903                                       | 0.4516                                     |
| 4       | 12-7-2022  | 3-6-2023  | 1.3558                                       | 0.6703                                     |
| 5       | 3-7-2023   | 6-6-2023  | 1.5966                                       | 0.8773                                     |
| 6       | 6-7-2023   | 9-6-2023  | 2.4169                                       | 1.3098                                     |
| 7       | 9-7-2023   | 12-6-2023 | 2.4752                                       | 1.5414                                     |
| 8       | 12-7-2023  | 3-6-2024  | 0.9825                                       | 0.4542                                     |
| 9       | 3-7-2024   | 6-6-2024  | 0.0164                                       | 0.0069                                     |
|         |            | Highest   | 2.4752                                       | 1.5414                                     |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr           |                   |                   |               |               |                   |
| Area         | 1.0179        | 0.0370        | 2.6897        | 1.8000e-004   |               | 0.0154        | 0.0154        |                | 0.0154        | 0.0154        | 0.0000          | 11.4053           | 11.4053           | 4.3700e-003   | 1.3000e-004   | 11.5529           |
| Energy       | 0.0203        | 0.1737        | 0.0744        | 1.1100e-003   |               | 0.0140        | 0.0140        |                | 0.0140        | 0.0140        | 0.0000          | 696.9453          | 696.9453          | 0.0268        | 8.4300e-003   | 700.1260          |
| Mobile       | 0.4708        | 0.8495        | 6.1092        | 0.0183        | 2.0571        | 0.0134        | 2.0705        | 0.5470         | 0.0124        | 0.5594        | 0.0000          | 1,658.1154        | 1,658.1154        | 0.0598        | 0.0000        | 1,659.6103        |
| Waste        |               |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 122.9963        | 0.0000            | 122.9963          | 7.2689        | 0.0000        | 304.7181          |
| Water        |               |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 8.6529          | 136.5056          | 145.1584          | 0.8950        | 0.0223        | 174.1769          |
| <b>Total</b> | <b>1.5090</b> | <b>1.0602</b> | <b>8.8732</b> | <b>0.0196</b> | <b>2.0571</b> | <b>0.0428</b> | <b>2.0999</b> | <b>0.5470</b>  | <b>0.0418</b> | <b>0.5888</b> | <b>131.6491</b> | <b>2,502.9715</b> | <b>2,634.6207</b> | <b>8.2549</b> | <b>0.0309</b> | <b>2,850.1843</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr           |                   |                   |               |               |                   |
| Area         | 1.0179        | 0.0370        | 2.6897        | 1.8000e-004   |               | 0.0154        | 0.0154        |                | 0.0154        | 0.0154        | 0.0000          | 11.4053           | 11.4053           | 4.3700e-003   | 1.3000e-004   | 11.5529           |
| Energy       | 0.0203        | 0.1737        | 0.0744        | 1.1100e-003   |               | 0.0140        | 0.0140        |                | 0.0140        | 0.0140        | 0.0000          | 689.1195          | 689.1195          | 0.0264        | 8.3500e-003   | 692.2690          |
| Mobile       | 0.4708        | 0.8495        | 6.1092        | 0.0183        | 2.0571        | 0.0134        | 2.0705        | 0.5470         | 0.0124        | 0.5594        | 0.0000          | 1,658.1154        | 1,658.1154        | 0.0598        | 0.0000        | 1,659.6103        |
| Waste        |               |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 122.9963        | 0.0000            | 122.9963          | 7.2689        | 0.0000        | 304.7181          |
| Water        |               |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 7.8741          | 125.2474          | 133.1215          | 0.8145        | 0.0203        | 159.5324          |
| <b>Total</b> | <b>1.5090</b> | <b>1.0602</b> | <b>8.8732</b> | <b>0.0196</b> | <b>2.0571</b> | <b>0.0428</b> | <b>2.0999</b> | <b>0.5470</b>  | <b>0.0418</b> | <b>0.5888</b> | <b>130.8704</b> | <b>2,483.8876</b> | <b>2,614.7580</b> | <b>8.1740</b> | <b>0.0288</b> | <b>2,827.6827</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2    | NBio-CO2    | Total CO2   | CH4         | N2O         | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>0.59</b> | <b>0.76</b> | <b>0.75</b> | <b>0.98</b> | <b>6.74</b> | <b>0.79</b> |

**3.0 Construction Detail**

**Construction Phase**

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| Phase Number | Phase Name                          | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition                          | Demolition            | 3/5/2022   | 3/18/2022  | 6             | 12       |                   |
| 2            | Site Preparation                    | Grading               | 4/4/2022   | 4/30/2022  | 6             | 24       |                   |
| 3            | Trenching/Utilities - East Building | Site Preparation      | 5/2/2022   | 6/11/2022  | 6             | 36       |                   |
| 4            | Construction - East Building        | Building Construction | 6/13/2022  | 2/24/2024  | 6             | 534      |                   |
| 5            | Grading                             | Grading               | 11/7/2022  | 11/26/2022 | 6             | 18       |                   |
| 6            | Trenching/Utilities - West Building | Site Preparation      | 11/28/2022 | 12/24/2022 | 6             | 24       |                   |
| 7            | Construction - West Building        | Building Construction | 12/26/2022 | 3/9/2024   | 6             | 378      |                   |
| 8            | Paving - East Building              | Paving                | 5/8/2023   | 9/9/2023   | 6             | 108      |                   |
| 9            | Architectural Coatings - East Bldg  | Architectural Coating | 5/8/2023   | 7/29/2023  | 6             | 72       |                   |
| 10           | Paving - West Building              | Paving                | 8/7/2023   | 11/25/2023 | 6             | 96       |                   |
| 11           | Architectural Coatings - West Bldg  | Architectural Coating | 9/11/2023  | 12/2/2023  | 6             | 72       |                   |

**Acres of Grading (Site Preparation Phase): 60**

**Acres of Grading (Grading Phase): 45**

**Acres of Paving: 1.8**

**Residential Indoor: 458,964; Residential Outdoor: 152,988; Non-Residential Indoor: 11,960; Non-Residential Outdoor: 3,987; Striped Parking Area: 10,592 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name       | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition       | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition       | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Demolition       | Generator Sets            | 2      | 4.00        | 84          | 0.74        |
| Demolition       | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Site Preparation | Crawler Tractors          | 2      | 8.00        | 212         | 0.43        |



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|                                     |                           |   |      |     |      |
|-------------------------------------|---------------------------|---|------|-----|------|
| Site Preparation                    | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Site Preparation                    | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Site Preparation                    | Scrapers                  | 1 | 8.00 | 367 | 0.48 |
| Trenching/Utilities - East Building | Crawler Tractors          | 2 | 8.00 | 212 | 0.43 |
| Trenching/Utilities - East Building | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Trenching/Utilities - East Building | Trenchers                 | 2 | 8.00 | 78  | 0.50 |
| Construction - East Building        | Aerial Lifts              | 2 | 7.00 | 63  | 0.31 |
| Construction - East Building        | Generator Sets            | 2 | 8.00 | 84  | 0.74 |
| Construction - East Building        | Rough Terrain Forklifts   | 2 | 8.00 | 100 | 0.40 |
| Grading                             | Crawler Tractors          | 2 | 8.00 | 212 | 0.43 |
| Grading                             | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Grading                             | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Grading                             | Scrapers                  | 1 | 8.00 | 367 | 0.48 |
| Trenching/Utilities - West Building | Crawler Tractors          | 2 | 8.00 | 212 | 0.43 |
| Trenching/Utilities - West Building | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Trenching/Utilities - West Building | Trenchers                 | 2 | 8.00 | 78  | 0.50 |
| Construction - West Building        | Generator Sets            | 2 | 8.00 | 84  | 0.74 |
| Construction - West Building        | Rough Terrain Forklifts   | 2 | 8.00 | 100 | 0.40 |
| Paving - East Building              | Pavers                    | 2 | 8.00 | 130 | 0.42 |
| Paving - East Building              | Paving Equipment          | 2 | 8.00 | 132 | 0.36 |
| Paving - East Building              | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Architectural Coatings - East Bldg  | Air Compressors           | 5 | 8.00 | 15  | 0.48 |
| Paving - West Building              | Pavers                    | 2 | 8.00 | 130 | 0.42 |
| Paving - West Building              | Paving Equipment          | 2 | 8.00 | 132 | 0.36 |
| Paving - West Building              | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Architectural Coatings - West Bldg  | Air Compressors           | 5 | 8.00 | 15  | 0.48 |

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**Trips and VMT**

| Phase Name                          | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition                          | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation                    | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - East Building | 5                       | 40.00              | 0.00               | 4,320.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - East Building        | 6                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                             | 6                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching/Utilities - West Building | 5                       | 40.00              | 0.00               | 2,880.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Construction - West Building        | 4                       | 200.00             | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - East Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - East Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving - West Building              | 6                       | 40.00              | 40.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings - West Bldg  | 5                       | 40.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 6.3300e-003        | 0.0551        | 0.0770        | 1.3000e-004        |               | 2.8400e-003        | 2.8400e-003        |                | 2.7500e-003        | 2.7500e-003        | 0.0000        | 10.9785        | 10.9785        | 1.7500e-003        | 0.0000        | 11.0222        |
| <b>Total</b> | <b>6.3300e-003</b> | <b>0.0551</b> | <b>0.0770</b> | <b>1.3000e-004</b> |               | <b>2.8400e-003</b> | <b>2.8400e-003</b> |                | <b>2.7500e-003</b> | <b>2.7500e-003</b> | <b>0.0000</b> | <b>10.9785</b> | <b>10.9785</b> | <b>1.7500e-003</b> | <b>0.0000</b> | <b>11.0222</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.0300e-003        | 7.5000e-004        | 7.8400e-003        | 2.0000e-005        | 2.6300e-003        | 2.0000e-005        | 2.6500e-003        | 7.0000e-004        | 2.0000e-005        | 7.1000e-004        | 0.0000        | 2.1051        | 2.1051        | 5.0000e-005        | 0.0000        | 2.1064        |
| <b>Total</b> | <b>1.0300e-003</b> | <b>7.5000e-004</b> | <b>7.8400e-003</b> | <b>2.0000e-005</b> | <b>2.6300e-003</b> | <b>2.0000e-005</b> | <b>2.6500e-003</b> | <b>7.0000e-004</b> | <b>2.0000e-005</b> | <b>7.1000e-004</b> | <b>0.0000</b> | <b>2.1051</b> | <b>2.1051</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>2.1064</b> |

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**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 1.3800e-003        | 5.9800e-003        | 0.0851        | 1.3000e-004        |               | 1.8000e-004        | 1.8000e-004        |                | 1.8000e-004        | 1.8000e-004        | 0.0000        | 10.9785        | 10.9785        | 1.7500e-003        | 0.0000        | 11.0222        |
| <b>Total</b> | <b>1.3800e-003</b> | <b>5.9800e-003</b> | <b>0.0851</b> | <b>1.3000e-004</b> |               | <b>1.8000e-004</b> | <b>1.8000e-004</b> |                | <b>1.8000e-004</b> | <b>1.8000e-004</b> | <b>0.0000</b> | <b>10.9785</b> | <b>10.9785</b> | <b>1.7500e-003</b> | <b>0.0000</b> | <b>11.0222</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.0300e-003        | 7.5000e-004        | 7.8400e-003        | 2.0000e-005        | 2.6300e-003        | 2.0000e-005        | 2.6500e-003        | 7.0000e-004        | 2.0000e-005        | 7.1000e-004        | 0.0000        | 2.1051        | 2.1051        | 5.0000e-005        | 0.0000        | 2.1064        |
| <b>Total</b> | <b>1.0300e-003</b> | <b>7.5000e-004</b> | <b>7.8400e-003</b> | <b>2.0000e-005</b> | <b>2.6300e-003</b> | <b>2.0000e-005</b> | <b>2.6500e-003</b> | <b>7.0000e-004</b> | <b>2.0000e-005</b> | <b>7.1000e-004</b> | <b>0.0000</b> | <b>2.1051</b> | <b>2.1051</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>2.1064</b> |

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**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                    |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.0318        | 0.0000        | 0.0318        | 3.4400e-003        | 0.0000        | 3.4400e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0306        | 0.3560        | 0.1974        | 5.1000e-004        |               | 0.0140        | 0.0140        |                    | 0.0129        | 0.0129        | 0.0000        | 45.0455        | 45.0455        | 0.0146        | 0.0000        | 45.4097        |
| <b>Total</b>  | <b>0.0306</b> | <b>0.3560</b> | <b>0.1974</b> | <b>5.1000e-004</b> | <b>0.0318</b> | <b>0.0140</b> | <b>0.0458</b> | <b>3.4400e-003</b> | <b>0.0129</b> | <b>0.0163</b> | <b>0.0000</b> | <b>45.0455</b> | <b>45.0455</b> | <b>0.0146</b> | <b>0.0000</b> | <b>45.4097</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0700e-003        | 1.5000e-003        | 0.0157        | 5.0000e-005        | 5.2600e-003        | 3.0000e-005        | 5.3000e-003        | 1.4000e-003        | 3.0000e-005        | 1.4300e-003        | 0.0000        | 4.2102        | 4.2102        | 1.1000e-004        | 0.0000        | 4.2129        |
| <b>Total</b> | <b>2.0700e-003</b> | <b>1.5000e-003</b> | <b>0.0157</b> | <b>5.0000e-005</b> | <b>5.2600e-003</b> | <b>3.0000e-005</b> | <b>5.3000e-003</b> | <b>1.4000e-003</b> | <b>3.0000e-005</b> | <b>1.4300e-003</b> | <b>0.0000</b> | <b>4.2102</b> | <b>4.2102</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>4.2129</b> |

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**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |               |               |                |
| Fugitive Dust |                    |               |               |                    | 0.0124        | 0.0000             | 0.0124        | 1.3400e-003        | 0.0000             | 1.3400e-003        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 6.3000e-003        | 0.0273        | 0.2502        | 5.1000e-004        |               | 8.4000e-004        | 8.4000e-004   |                    | 8.4000e-004        | 8.4000e-004        | 0.0000        | 45.0454        | 45.0454        | 0.0146        | 0.0000        | 45.4096        |
| <b>Total</b>  | <b>6.3000e-003</b> | <b>0.0273</b> | <b>0.2502</b> | <b>5.1000e-004</b> | <b>0.0124</b> | <b>8.4000e-004</b> | <b>0.0133</b> | <b>1.3400e-003</b> | <b>8.4000e-004</b> | <b>2.1800e-003</b> | <b>0.0000</b> | <b>45.0454</b> | <b>45.0454</b> | <b>0.0146</b> | <b>0.0000</b> | <b>45.4096</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0700e-003        | 1.5000e-003        | 0.0157        | 5.0000e-005        | 5.2600e-003        | 3.0000e-005        | 5.3000e-003        | 1.4000e-003        | 3.0000e-005        | 1.4300e-003        | 0.0000        | 4.2102        | 4.2102        | 1.1000e-004        | 0.0000        | 4.2129        |
| <b>Total</b> | <b>2.0700e-003</b> | <b>1.5000e-003</b> | <b>0.0157</b> | <b>5.0000e-005</b> | <b>5.2600e-003</b> | <b>3.0000e-005</b> | <b>5.3000e-003</b> | <b>1.4000e-003</b> | <b>3.0000e-005</b> | <b>1.4300e-003</b> | <b>0.0000</b> | <b>4.2102</b> | <b>4.2102</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>4.2129</b> |

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**3.4 Trenching/Utilities - East Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                    |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.0208        | 0.0000        | 0.0208        | 2.3200e-003        | 0.0000        | 2.3200e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0338        | 0.3681        | 0.2172        | 4.6000e-004        |               | 0.0184        | 0.0184        |                    | 0.0169        | 0.0169        | 0.0000        | 40.3857        | 40.3857        | 0.0131        | 0.0000        | 40.7123        |
| <b>Total</b>  | <b>0.0338</b> | <b>0.3681</b> | <b>0.2172</b> | <b>4.6000e-004</b> | <b>0.0208</b> | <b>0.0184</b> | <b>0.0392</b> | <b>2.3200e-003</b> | <b>0.0169</b> | <b>0.0193</b> | <b>0.0000</b> | <b>40.3857</b> | <b>40.3857</b> | <b>0.0131</b> | <b>0.0000</b> | <b>40.7123</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0124        | 0.4618        | 0.0785        | 1.6400e-003        | 0.0372        | 1.1600e-003        | 0.0383        | 0.0102         | 1.1100e-003        | 0.0113        | 0.0000        | 158.1220        | 158.1220        | 8.7800e-003        | 0.0000        | 158.3416        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 3.1000e-003   | 2.2500e-003   | 0.0235        | 7.0000e-005        | 7.8900e-003   | 5.0000e-005        | 7.9400e-003   | 2.1000e-003    | 5.0000e-005        | 2.1400e-003   | 0.0000        | 6.3152          | 6.3152          | 1.6000e-004        | 0.0000        | 6.3193          |
| <b>Total</b> | <b>0.0155</b> | <b>0.4640</b> | <b>0.1021</b> | <b>1.7100e-003</b> | <b>0.0451</b> | <b>1.2100e-003</b> | <b>0.0463</b> | <b>0.0123</b>  | <b>1.1600e-003</b> | <b>0.0135</b> | <b>0.0000</b> | <b>164.4372</b> | <b>164.4372</b> | <b>8.9400e-003</b> | <b>0.0000</b> | <b>164.6609</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.4 Trenching/Utilities - East Building - 2022**

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |                |                |               |               |                |
| Fugitive Dust |                    |               |               |                    | 8.1100e-003        | 0.0000             | 8.1100e-003        | 9.0000e-004        | 0.0000             | 9.0000e-004        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 5.6400e-003        | 0.0245        | 0.2611        | 4.6000e-004        |                    | 7.5000e-004        | 7.5000e-004        |                    | 7.5000e-004        | 7.5000e-004        | 0.0000        | 40.3857        | 40.3857        | 0.0131        | 0.0000        | 40.7122        |
| <b>Total</b>  | <b>5.6400e-003</b> | <b>0.0245</b> | <b>0.2611</b> | <b>4.6000e-004</b> | <b>8.1100e-003</b> | <b>7.5000e-004</b> | <b>8.8600e-003</b> | <b>9.0000e-004</b> | <b>7.5000e-004</b> | <b>1.6500e-003</b> | <b>0.0000</b> | <b>40.3857</b> | <b>40.3857</b> | <b>0.0131</b> | <b>0.0000</b> | <b>40.7122</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0124        | 0.4618        | 0.0785        | 1.6400e-003        | 0.0372        | 1.1600e-003        | 0.0383        | 0.0102         | 1.1100e-003        | 0.0113        | 0.0000        | 158.1220        | 158.1220        | 8.7800e-003        | 0.0000        | 158.3416        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 3.1000e-003   | 2.2500e-003   | 0.0235        | 7.0000e-005        | 7.8900e-003   | 5.0000e-005        | 7.9400e-003   | 2.1000e-003    | 5.0000e-005        | 2.1400e-003   | 0.0000        | 6.3152          | 6.3152          | 1.6000e-004        | 0.0000        | 6.3193          |
| <b>Total</b> | <b>0.0155</b> | <b>0.4640</b> | <b>0.1021</b> | <b>1.7100e-003</b> | <b>0.0451</b> | <b>1.2100e-003</b> | <b>0.0463</b> | <b>0.0123</b>  | <b>1.1600e-003</b> | <b>0.0135</b> | <b>0.0000</b> | <b>164.4372</b> | <b>164.4372</b> | <b>8.9400e-003</b> | <b>0.0000</b> | <b>164.6609</b> |



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**3.5 Construction - East Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0824        | 0.8524        | 1.2044        | 2.0000e-003        |               | 0.0361        | 0.0361        |                | 0.0353        | 0.0353        | 0.0000        | 173.4902        | 173.4902        | 0.0290        | 0.0000        | 174.2146        |
| <b>Total</b> | <b>0.0824</b> | <b>0.8524</b> | <b>1.2044</b> | <b>2.0000e-003</b> |               | <b>0.0361</b> | <b>0.0361</b> |                | <b>0.0353</b> | <b>0.0353</b> | <b>0.0000</b> | <b>173.4902</b> | <b>173.4902</b> | <b>0.0290</b> | <b>0.0000</b> | <b>174.2146</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 8.6000e-003   | 0.3207        | 0.0638        | 9.2000e-004        | 0.0219        | 4.9000e-004        | 0.0224        | 6.3300e-003    | 4.7000e-004        | 6.8000e-003   | 0.0000        | 87.6593         | 87.6593         | 5.7500e-003        | 0.0000        | 87.8030         |
| Worker       | 0.0749        | 0.0544        | 0.5686        | 1.6900e-003        | 0.1908        | 1.2100e-003        | 0.1920        | 0.0507         | 1.1100e-003        | 0.0518        | 0.0000        | 152.6178        | 152.6178        | 3.9800e-003        | 0.0000        | 152.7172        |
| <b>Total</b> | <b>0.0835</b> | <b>0.3751</b> | <b>0.6323</b> | <b>2.6100e-003</b> | <b>0.2127</b> | <b>1.7000e-003</b> | <b>0.2144</b> | <b>0.0570</b>  | <b>1.5800e-003</b> | <b>0.0586</b> | <b>0.0000</b> | <b>240.2771</b> | <b>240.2771</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>240.5203</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.5 Construction - East Building - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0251        | 0.2252        | 1.3540        | 2.0000e-003        |               | 2.9300e-003        | 2.9300e-003        |                | 2.9300e-003        | 2.9300e-003        | 0.0000        | 173.4900        | 173.4900        | 0.0290        | 0.0000        | 174.2143        |
| <b>Total</b> | <b>0.0251</b> | <b>0.2252</b> | <b>1.3540</b> | <b>2.0000e-003</b> |               | <b>2.9300e-003</b> | <b>2.9300e-003</b> |                | <b>2.9300e-003</b> | <b>2.9300e-003</b> | <b>0.0000</b> | <b>173.4900</b> | <b>173.4900</b> | <b>0.0290</b> | <b>0.0000</b> | <b>174.2143</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 8.6000e-003   | 0.3207        | 0.0638        | 9.2000e-004        | 0.0219        | 4.9000e-004        | 0.0224        | 6.3300e-003    | 4.7000e-004        | 6.8000e-003   | 0.0000        | 87.6593         | 87.6593         | 5.7500e-003        | 0.0000        | 87.8030         |
| Worker       | 0.0749        | 0.0544        | 0.5686        | 1.6900e-003        | 0.1908        | 1.2100e-003        | 0.1920        | 0.0507         | 1.1100e-003        | 0.0518        | 0.0000        | 152.6178        | 152.6178        | 3.9800e-003        | 0.0000        | 152.7172        |
| <b>Total</b> | <b>0.0835</b> | <b>0.3751</b> | <b>0.6323</b> | <b>2.6100e-003</b> | <b>0.2127</b> | <b>1.7000e-003</b> | <b>0.2144</b> | <b>0.0570</b>  | <b>1.5800e-003</b> | <b>0.0586</b> | <b>0.0000</b> | <b>240.2771</b> | <b>240.2771</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>240.5203</b> |

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**3.5 Construction - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1379        | 1.4294        | 2.1566        | 3.5900e-003        |               | 0.0566        | 0.0566        |                | 0.0552        | 0.0552        | 0.0000        | 311.0997        | 311.0997        | 0.0513        | 0.0000        | 312.3832        |
| <b>Total</b> | <b>0.1379</b> | <b>1.4294</b> | <b>2.1566</b> | <b>3.5900e-003</b> |               | <b>0.0566</b> | <b>0.0566</b> |                | <b>0.0552</b> | <b>0.0552</b> | <b>0.0000</b> | <b>311.0997</b> | <b>311.0997</b> | <b>0.0513</b> | <b>0.0000</b> | <b>312.3832</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0116        | 0.4433        | 0.0987        | 1.6000e-003        | 0.0393        | 4.3000e-004        | 0.0398        | 0.0114         | 4.1000e-004        | 0.0118        | 0.0000        | 152.8593        | 152.8593        | 8.2900e-003   | 0.0000        | 153.0665        |
| Worker       | 0.1258        | 0.0878        | 0.9345        | 2.9100e-003        | 0.3421        | 2.1100e-003        | 0.3442        | 0.0909         | 1.9400e-003        | 0.0928        | 0.0000        | 263.3840        | 263.3840        | 6.3800e-003   | 0.0000        | 263.5436        |
| <b>Total</b> | <b>0.1374</b> | <b>0.5311</b> | <b>1.0332</b> | <b>4.5100e-003</b> | <b>0.3814</b> | <b>2.5400e-003</b> | <b>0.3840</b> | <b>0.1022</b>  | <b>2.3500e-003</b> | <b>0.1046</b> | <b>0.0000</b> | <b>416.2433</b> | <b>416.2433</b> | <b>0.0147</b> | <b>0.0000</b> | <b>416.6101</b> |

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**3.5 Construction - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0450        | 0.4038        | 2.4279        | 3.5900e-003        |               | 5.2500e-003        | 5.2500e-003        |                | 5.2500e-003        | 5.2500e-003        | 0.0000        | 311.0993        | 311.0993        | 0.0513        | 0.0000        | 312.3828        |
| <b>Total</b> | <b>0.0450</b> | <b>0.4038</b> | <b>2.4279</b> | <b>3.5900e-003</b> |               | <b>5.2500e-003</b> | <b>5.2500e-003</b> |                | <b>5.2500e-003</b> | <b>5.2500e-003</b> | <b>0.0000</b> | <b>311.0993</b> | <b>311.0993</b> | <b>0.0513</b> | <b>0.0000</b> | <b>312.3828</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0116        | 0.4433        | 0.0987        | 1.6000e-003        | 0.0393        | 4.3000e-004        | 0.0398        | 0.0114         | 4.1000e-004        | 0.0118        | 0.0000        | 152.8593        | 152.8593        | 8.2900e-003   | 0.0000        | 153.0665        |
| Worker       | 0.1258        | 0.0878        | 0.9345        | 2.9100e-003        | 0.3421        | 2.1100e-003        | 0.3442        | 0.0909         | 1.9400e-003        | 0.0928        | 0.0000        | 263.3840        | 263.3840        | 6.3800e-003   | 0.0000        | 263.5436        |
| <b>Total</b> | <b>0.1374</b> | <b>0.5311</b> | <b>1.0332</b> | <b>4.5100e-003</b> | <b>0.3814</b> | <b>2.5400e-003</b> | <b>0.3840</b> | <b>0.1022</b>  | <b>2.3500e-003</b> | <b>0.1046</b> | <b>0.0000</b> | <b>416.2433</b> | <b>416.2433</b> | <b>0.0147</b> | <b>0.0000</b> | <b>416.6101</b> |

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**3.5 Construction - East Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0201        | 0.2091        | 0.3316        | 5.5000e-004        |               | 7.6700e-003        | 7.6700e-003        |                | 7.4800e-003        | 7.4800e-003        | 0.0000        | 47.8586        | 47.8586        | 7.8000e-003        | 0.0000        | 48.0536        |
| <b>Total</b> | <b>0.0201</b> | <b>0.2091</b> | <b>0.3316</b> | <b>5.5000e-004</b> |               | <b>7.6700e-003</b> | <b>7.6700e-003</b> |                | <b>7.4800e-003</b> | <b>7.4800e-003</b> | <b>0.0000</b> | <b>47.8586</b> | <b>47.8586</b> | <b>7.8000e-003</b> | <b>0.0000</b> | <b>48.0536</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 1.7600e-003   | 0.0685        | 0.0146        | 2.5000e-004        | 6.0500e-003   | 7.0000e-005        | 6.1200e-003   | 1.7500e-003    | 6.0000e-005        | 1.8100e-003   | 0.0000        | 23.4906        | 23.4906        | 1.2700e-003        | 0.0000        | 23.5225        |
| Worker       | 0.0182        | 0.0122        | 0.1338        | 4.3000e-004        | 0.0526        | 3.2000e-004        | 0.0530        | 0.0140         | 3.0000e-004        | 0.0143        | 0.0000        | 39.2062        | 39.2062        | 9.0000e-004        | 0.0000        | 39.2286        |
| <b>Total</b> | <b>0.0200</b> | <b>0.0808</b> | <b>0.1484</b> | <b>6.8000e-004</b> | <b>0.0587</b> | <b>3.9000e-004</b> | <b>0.0591</b> | <b>0.0157</b>  | <b>3.6000e-004</b> | <b>0.0161</b> | <b>0.0000</b> | <b>62.6968</b> | <b>62.6968</b> | <b>2.1700e-003</b> | <b>0.0000</b> | <b>62.7511</b> |

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**3.5 Construction - East Building - 2024**

**Mitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 6.9300e-003        | 0.0621        | 0.3735        | 5.5000e-004        |               | 8.1000e-004        | 8.1000e-004        |                | 8.1000e-004        | 8.1000e-004        | 0.0000        | 47.8585        | 47.8585        | 7.8000e-003        | 0.0000        | 48.0536        |
| <b>Total</b> | <b>6.9300e-003</b> | <b>0.0621</b> | <b>0.3735</b> | <b>5.5000e-004</b> |               | <b>8.1000e-004</b> | <b>8.1000e-004</b> |                | <b>8.1000e-004</b> | <b>8.1000e-004</b> | <b>0.0000</b> | <b>47.8585</b> | <b>47.8585</b> | <b>7.8000e-003</b> | <b>0.0000</b> | <b>48.0536</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 1.7600e-003   | 0.0685        | 0.0146        | 2.5000e-004        | 6.0500e-003   | 7.0000e-005        | 6.1200e-003   | 1.7500e-003    | 6.0000e-005        | 1.8100e-003   | 0.0000        | 23.4906        | 23.4906        | 1.2700e-003        | 0.0000        | 23.5225        |
| Worker       | 0.0182        | 0.0122        | 0.1338        | 4.3000e-004        | 0.0526        | 3.2000e-004        | 0.0530        | 0.0140         | 3.0000e-004        | 0.0143        | 0.0000        | 39.2062        | 39.2062        | 9.0000e-004        | 0.0000        | 39.2286        |
| <b>Total</b> | <b>0.0200</b> | <b>0.0808</b> | <b>0.1484</b> | <b>6.8000e-004</b> | <b>0.0587</b> | <b>3.9000e-004</b> | <b>0.0591</b> | <b>0.0157</b>  | <b>3.6000e-004</b> | <b>0.0161</b> | <b>0.0000</b> | <b>62.6968</b> | <b>62.6968</b> | <b>2.1700e-003</b> | <b>0.0000</b> | <b>62.7511</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.6 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                    |                    |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.0239        | 0.0000        | 0.0239        | 2.5800e-003        | 0.0000             | 2.5800e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0230        | 0.2670        | 0.1480        | 3.8000e-004        |               | 0.0105        | 0.0105        |                    | 9.6800e-003        | 9.6800e-003   | 0.0000        | 33.7841        | 33.7841        | 0.0109        | 0.0000        | 34.0573        |
| <b>Total</b>  | <b>0.0230</b> | <b>0.2670</b> | <b>0.1480</b> | <b>3.8000e-004</b> | <b>0.0239</b> | <b>0.0105</b> | <b>0.0344</b> | <b>2.5800e-003</b> | <b>9.6800e-003</b> | <b>0.0123</b> | <b>0.0000</b> | <b>33.7841</b> | <b>33.7841</b> | <b>0.0109</b> | <b>0.0000</b> | <b>34.0573</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5500e-003        | 1.1300e-003        | 0.0118        | 3.0000e-005        | 3.9500e-003        | 2.0000e-005        | 3.9700e-003        | 1.0500e-003        | 2.0000e-005        | 1.0700e-003        | 0.0000        | 3.1576        | 3.1576        | 8.0000e-005        | 0.0000        | 3.1597        |
| <b>Total</b> | <b>1.5500e-003</b> | <b>1.1300e-003</b> | <b>0.0118</b> | <b>3.0000e-005</b> | <b>3.9500e-003</b> | <b>2.0000e-005</b> | <b>3.9700e-003</b> | <b>1.0500e-003</b> | <b>2.0000e-005</b> | <b>1.0700e-003</b> | <b>0.0000</b> | <b>3.1576</b> | <b>3.1576</b> | <b>8.0000e-005</b> | <b>0.0000</b> | <b>3.1597</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.6 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |                |                |               |               |                |
| Fugitive Dust |                    |               |               |                    | 9.3100e-003        | 0.0000             | 9.3100e-003        | 1.0000e-003        | 0.0000             | 1.0000e-003        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 4.7200e-003        | 0.0205        | 0.1877        | 3.8000e-004        |                    | 6.3000e-004        | 6.3000e-004        |                    | 6.3000e-004        | 6.3000e-004        | 0.0000        | 33.7841        | 33.7841        | 0.0109        | 0.0000        | 34.0572        |
| <b>Total</b>  | <b>4.7200e-003</b> | <b>0.0205</b> | <b>0.1877</b> | <b>3.8000e-004</b> | <b>9.3100e-003</b> | <b>6.3000e-004</b> | <b>9.9400e-003</b> | <b>1.0000e-003</b> | <b>6.3000e-004</b> | <b>1.6300e-003</b> | <b>0.0000</b> | <b>33.7841</b> | <b>33.7841</b> | <b>0.0109</b> | <b>0.0000</b> | <b>34.0572</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5500e-003        | 1.1300e-003        | 0.0118        | 3.0000e-005        | 3.9500e-003        | 2.0000e-005        | 3.9700e-003        | 1.0500e-003        | 2.0000e-005        | 1.0700e-003        | 0.0000        | 3.1576        | 3.1576        | 8.0000e-005        | 0.0000        | 3.1597        |
| <b>Total</b> | <b>1.5500e-003</b> | <b>1.1300e-003</b> | <b>0.0118</b> | <b>3.0000e-005</b> | <b>3.9500e-003</b> | <b>2.0000e-005</b> | <b>3.9700e-003</b> | <b>1.0500e-003</b> | <b>2.0000e-005</b> | <b>1.0700e-003</b> | <b>0.0000</b> | <b>3.1576</b> | <b>3.1576</b> | <b>8.0000e-005</b> | <b>0.0000</b> | <b>3.1597</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.7 Trenching/Utilities - West Building - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                    |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0139        | 0.0000        | 0.0139        | 1.5500e-003        | 0.0000        | 1.5500e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0225        | 0.2454        | 0.1448        | 3.1000e-004        |               | 0.0123        | 0.0123        |                    | 0.0113        | 0.0113        | 0.0000        | 26.9238        | 26.9238        | 8.7100e-003        | 0.0000        | 27.1415        |
| <b>Total</b>  | <b>0.0225</b> | <b>0.2454</b> | <b>0.1448</b> | <b>3.1000e-004</b> | <b>0.0139</b> | <b>0.0123</b> | <b>0.0261</b> | <b>1.5500e-003</b> | <b>0.0113</b> | <b>0.0128</b> | <b>0.0000</b> | <b>26.9238</b> | <b>26.9238</b> | <b>8.7100e-003</b> | <b>0.0000</b> | <b>27.1415</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 8.2500e-003   | 0.3078        | 0.0524        | 1.0900e-003        | 0.0248        | 7.7000e-004        | 0.0256        | 6.8100e-003        | 7.4000e-004        | 7.5500e-003        | 0.0000        | 105.4147        | 105.4147        | 5.8500e-003        | 0.0000        | 105.5610        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 2.0700e-003   | 1.5000e-003   | 0.0157        | 5.0000e-005        | 5.2600e-003   | 3.0000e-005        | 5.3000e-003   | 1.4000e-003        | 3.0000e-005        | 1.4300e-003        | 0.0000        | 4.2102          | 4.2102          | 1.1000e-004        | 0.0000        | 4.2129          |
| <b>Total</b> | <b>0.0103</b> | <b>0.3093</b> | <b>0.0680</b> | <b>1.1400e-003</b> | <b>0.0300</b> | <b>8.0000e-004</b> | <b>0.0309</b> | <b>8.2100e-003</b> | <b>7.7000e-004</b> | <b>8.9800e-003</b> | <b>0.0000</b> | <b>109.6248</b> | <b>109.6248</b> | <b>5.9600e-003</b> | <b>0.0000</b> | <b>109.7739</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.7 Trenching/Utilities - West Building - 2022**

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |                    |               |               |                    | 5.4000e-003        | 0.0000             | 5.4000e-003        | 6.0000e-004        | 0.0000             | 6.0000e-004        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 3.7600e-003        | 0.0163        | 0.1741        | 3.1000e-004        |                    | 5.0000e-004        | 5.0000e-004        |                    | 5.0000e-004        | 5.0000e-004        | 0.0000        | 26.9238        | 26.9238        | 8.7100e-003        | 0.0000        | 27.1415        |
| <b>Total</b>  | <b>3.7600e-003</b> | <b>0.0163</b> | <b>0.1741</b> | <b>3.1000e-004</b> | <b>5.4000e-003</b> | <b>5.0000e-004</b> | <b>5.9000e-003</b> | <b>6.0000e-004</b> | <b>5.0000e-004</b> | <b>1.1000e-003</b> | <b>0.0000</b> | <b>26.9238</b> | <b>26.9238</b> | <b>8.7100e-003</b> | <b>0.0000</b> | <b>27.1415</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 8.2500e-003   | 0.3078        | 0.0524        | 1.0900e-003        | 0.0248        | 7.7000e-004        | 0.0256        | 6.8100e-003        | 7.4000e-004        | 7.5500e-003        | 0.0000        | 105.4147        | 105.4147        | 5.8500e-003        | 0.0000        | 105.5610        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 2.0700e-003   | 1.5000e-003   | 0.0157        | 5.0000e-005        | 5.2600e-003   | 3.0000e-005        | 5.3000e-003   | 1.4000e-003        | 3.0000e-005        | 1.4300e-003        | 0.0000        | 4.2102          | 4.2102          | 1.1000e-004        | 0.0000        | 4.2129          |
| <b>Total</b> | <b>0.0103</b> | <b>0.3093</b> | <b>0.0680</b> | <b>1.1400e-003</b> | <b>0.0300</b> | <b>8.0000e-004</b> | <b>0.0309</b> | <b>8.2100e-003</b> | <b>7.7000e-004</b> | <b>8.9800e-003</b> | <b>0.0000</b> | <b>109.6248</b> | <b>109.6248</b> | <b>5.9600e-003</b> | <b>0.0000</b> | <b>109.7739</b> |

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**3.8 Construction - West Building - 2022**

**Unmitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 2.6500e-003        | 0.0265        | 0.0358        | 6.0000e-005        |               | 1.1900e-003        | 1.1900e-003        |                | 1.1700e-003        | 1.1700e-003        | 0.0000        | 5.2079        | 5.2079        | 7.5000e-004        | 0.0000        | 5.2266        |
| <b>Total</b> | <b>2.6500e-003</b> | <b>0.0265</b> | <b>0.0358</b> | <b>6.0000e-005</b> |               | <b>1.1900e-003</b> | <b>1.1900e-003</b> |                | <b>1.1700e-003</b> | <b>1.1700e-003</b> | <b>0.0000</b> | <b>5.2079</b> | <b>5.2079</b> | <b>7.5000e-004</b> | <b>0.0000</b> | <b>5.2266</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 3.0000e-004        | 0.0111        | 2.2000e-003   | 3.0000e-005        | 7.6000e-004        | 2.0000e-005        | 7.7000e-004        | 2.2000e-004        | 2.0000e-005        | 2.3000e-004        | 0.0000        | 3.0227        | 3.0227        | 2.0000e-004        | 0.0000        | 3.0277        |
| Worker       | 2.5800e-003        | 1.8800e-003   | 0.0196        | 6.0000e-005        | 6.5800e-003        | 4.0000e-005        | 6.6200e-003        | 1.7500e-003        | 4.0000e-005        | 1.7900e-003        | 0.0000        | 5.2627        | 5.2627        | 1.4000e-004        | 0.0000        | 5.2661        |
| <b>Total</b> | <b>2.8800e-003</b> | <b>0.0129</b> | <b>0.0218</b> | <b>9.0000e-005</b> | <b>7.3400e-003</b> | <b>6.0000e-005</b> | <b>7.3900e-003</b> | <b>1.9700e-003</b> | <b>6.0000e-005</b> | <b>2.0200e-003</b> | <b>0.0000</b> | <b>8.2854</b> | <b>8.2854</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>8.2938</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.8 Construction - West Building - 2022**

**Mitigated Construction On-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 6.5000e-004        | 2.8100e-003        | 0.0400        | 6.0000e-005        |               | 9.0000e-005        | 9.0000e-005        |                | 9.0000e-005        | 9.0000e-005        | 0.0000        | 5.2079        | 5.2079        | 7.5000e-004        | 0.0000        | 5.2266        |
| <b>Total</b> | <b>6.5000e-004</b> | <b>2.8100e-003</b> | <b>0.0400</b> | <b>6.0000e-005</b> |               | <b>9.0000e-005</b> | <b>9.0000e-005</b> |                | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>0.0000</b> | <b>5.2079</b> | <b>5.2079</b> | <b>7.5000e-004</b> | <b>0.0000</b> | <b>5.2266</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 3.0000e-004        | 0.0111        | 2.2000e-003   | 3.0000e-005        | 7.6000e-004        | 2.0000e-005        | 7.7000e-004        | 2.2000e-004        | 2.0000e-005        | 2.3000e-004        | 0.0000        | 3.0227        | 3.0227        | 2.0000e-004        | 0.0000        | 3.0277        |
| Worker       | 2.5800e-003        | 1.8800e-003   | 0.0196        | 6.0000e-005        | 6.5800e-003        | 4.0000e-005        | 6.6200e-003        | 1.7500e-003        | 4.0000e-005        | 1.7900e-003        | 0.0000        | 5.2627        | 5.2627        | 1.4000e-004        | 0.0000        | 5.2661        |
| <b>Total</b> | <b>2.8800e-003</b> | <b>0.0129</b> | <b>0.0218</b> | <b>9.0000e-005</b> | <b>7.3400e-003</b> | <b>6.0000e-005</b> | <b>7.3900e-003</b> | <b>1.9700e-003</b> | <b>6.0000e-005</b> | <b>2.0200e-003</b> | <b>0.0000</b> | <b>8.2854</b> | <b>8.2854</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>8.2938</b> |

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**3.8 Construction - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1284        | 1.2839        | 1.8585        | 3.1300e-003        |               | 0.0540        | 0.0540        |                | 0.0529        | 0.0529        | 0.0000        | 270.8250        | 270.8250        | 0.0383        | 0.0000        | 271.7829        |
| <b>Total</b> | <b>0.1284</b> | <b>1.2839</b> | <b>1.8585</b> | <b>3.1300e-003</b> |               | <b>0.0540</b> | <b>0.0540</b> |                | <b>0.0529</b> | <b>0.0529</b> | <b>0.0000</b> | <b>270.8250</b> | <b>270.8250</b> | <b>0.0383</b> | <b>0.0000</b> | <b>271.7829</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0116        | 0.4433        | 0.0987        | 1.6000e-003        | 0.0393        | 4.3000e-004        | 0.0398        | 0.0114         | 4.1000e-004        | 0.0118        | 0.0000        | 152.8593        | 152.8593        | 8.2900e-003   | 0.0000        | 153.0665        |
| Worker       | 0.1258        | 0.0878        | 0.9345        | 2.9100e-003        | 0.3421        | 2.1100e-003        | 0.3442        | 0.0909         | 1.9400e-003        | 0.0928        | 0.0000        | 263.3840        | 263.3840        | 6.3800e-003   | 0.0000        | 263.5436        |
| <b>Total</b> | <b>0.1374</b> | <b>0.5311</b> | <b>1.0332</b> | <b>4.5100e-003</b> | <b>0.3814</b> | <b>2.5400e-003</b> | <b>0.3840</b> | <b>0.1022</b>  | <b>2.3500e-003</b> | <b>0.1046</b> | <b>0.0000</b> | <b>416.2433</b> | <b>416.2433</b> | <b>0.0147</b> | <b>0.0000</b> | <b>416.6101</b> |

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**3.8 Construction - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0337        | 0.1462        | 2.0800        | 3.1300e-003        |               | 4.5000e-003        | 4.5000e-003        |                | 4.5000e-003        | 4.5000e-003        | 0.0000        | 270.8247        | 270.8247        | 0.0383        | 0.0000        | 271.7825        |
| <b>Total</b> | <b>0.0337</b> | <b>0.1462</b> | <b>2.0800</b> | <b>3.1300e-003</b> |               | <b>4.5000e-003</b> | <b>4.5000e-003</b> |                | <b>4.5000e-003</b> | <b>4.5000e-003</b> | <b>0.0000</b> | <b>270.8247</b> | <b>270.8247</b> | <b>0.0383</b> | <b>0.0000</b> | <b>271.7825</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0116        | 0.4433        | 0.0987        | 1.6000e-003        | 0.0393        | 4.3000e-004        | 0.0398        | 0.0114         | 4.1000e-004        | 0.0118        | 0.0000        | 152.8593        | 152.8593        | 8.2900e-003   | 0.0000        | 153.0665        |
| Worker       | 0.1258        | 0.0878        | 0.9345        | 2.9100e-003        | 0.3421        | 2.1100e-003        | 0.3442        | 0.0909         | 1.9400e-003        | 0.0928        | 0.0000        | 263.3840        | 263.3840        | 6.3800e-003   | 0.0000        | 263.5436        |
| <b>Total</b> | <b>0.1374</b> | <b>0.5311</b> | <b>1.0332</b> | <b>4.5100e-003</b> | <b>0.3814</b> | <b>2.5400e-003</b> | <b>0.3840</b> | <b>0.1022</b>  | <b>2.3500e-003</b> | <b>0.1046</b> | <b>0.0000</b> | <b>416.2433</b> | <b>416.2433</b> | <b>0.0147</b> | <b>0.0000</b> | <b>416.6101</b> |

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**3.8 Construction - West Building - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0233        | 0.2337        | 0.3572        | 6.0000e-004        |               | 9.1100e-003        | 9.1100e-003        |                | 8.9100e-003        | 8.9100e-003        | 0.0000        | 52.0781        | 52.0781        | 7.2500e-003        | 0.0000        | 52.2593        |
| <b>Total</b> | <b>0.0233</b> | <b>0.2337</b> | <b>0.3572</b> | <b>6.0000e-004</b> |               | <b>9.1100e-003</b> | <b>9.1100e-003</b> |                | <b>8.9100e-003</b> | <b>8.9100e-003</b> | <b>0.0000</b> | <b>52.0781</b> | <b>52.0781</b> | <b>7.2500e-003</b> | <b>0.0000</b> | <b>52.2593</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 2.2100e-003   | 0.0857        | 0.0183        | 3.1000e-004        | 7.5700e-003   | 8.0000e-005        | 7.6500e-003   | 2.1800e-003    | 8.0000e-005        | 2.2600e-003   | 0.0000        | 29.3632        | 29.3632        | 1.5900e-003        | 0.0000        | 29.4031        |
| Worker       | 0.0228        | 0.0153        | 0.1673        | 5.4000e-004        | 0.0658        | 4.0000e-004        | 0.0662        | 0.0175         | 3.7000e-004        | 0.0178        | 0.0000        | 49.0077        | 49.0077        | 1.1200e-003        | 0.0000        | 49.0358        |
| <b>Total</b> | <b>0.0250</b> | <b>0.1010</b> | <b>0.1856</b> | <b>8.5000e-004</b> | <b>0.0734</b> | <b>4.8000e-004</b> | <b>0.0738</b> | <b>0.0197</b>  | <b>4.5000e-004</b> | <b>0.0201</b> | <b>0.0000</b> | <b>78.3710</b> | <b>78.3710</b> | <b>2.7100e-003</b> | <b>0.0000</b> | <b>78.4388</b> |

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**3.8 Construction - West Building - 2024**

**Mitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 6.4900e-003        | 0.0281        | 0.4000        | 6.0000e-004        |               | 8.6000e-004        | 8.6000e-004        |                | 8.6000e-004        | 8.6000e-004        | 0.0000        | 52.0780        | 52.0780        | 7.2500e-003        | 0.0000        | 52.2592        |
| <b>Total</b> | <b>6.4900e-003</b> | <b>0.0281</b> | <b>0.4000</b> | <b>6.0000e-004</b> |               | <b>8.6000e-004</b> | <b>8.6000e-004</b> |                | <b>8.6000e-004</b> | <b>8.6000e-004</b> | <b>0.0000</b> | <b>52.0780</b> | <b>52.0780</b> | <b>7.2500e-003</b> | <b>0.0000</b> | <b>52.2592</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 2.2100e-003   | 0.0857        | 0.0183        | 3.1000e-004        | 7.5700e-003   | 8.0000e-005        | 7.6500e-003   | 2.1800e-003    | 8.0000e-005        | 2.2600e-003   | 0.0000        | 29.3632        | 29.3632        | 1.5900e-003        | 0.0000        | 29.4031        |
| Worker       | 0.0228        | 0.0153        | 0.1673        | 5.4000e-004        | 0.0658        | 4.0000e-004        | 0.0662        | 0.0175         | 3.7000e-004        | 0.0178        | 0.0000        | 49.0077        | 49.0077        | 1.1200e-003        | 0.0000        | 49.0358        |
| <b>Total</b> | <b>0.0250</b> | <b>0.1010</b> | <b>0.1856</b> | <b>8.5000e-004</b> | <b>0.0734</b> | <b>4.8000e-004</b> | <b>0.0738</b> | <b>0.0197</b>  | <b>4.5000e-004</b> | <b>0.0201</b> | <b>0.0000</b> | <b>78.3710</b> | <b>78.3710</b> | <b>2.7100e-003</b> | <b>0.0000</b> | <b>78.4388</b> |



Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.9 Paving - East Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0558        | 0.5504        | 0.7876        | 1.2300e-003        |               | 0.0276        | 0.0276        |                | 0.0254        | 0.0254        | 0.0000        | 108.1451        | 108.1451        | 0.0350        | 0.0000        | 109.0195        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0581</b> | <b>0.5504</b> | <b>0.7876</b> | <b>1.2300e-003</b> |               | <b>0.0276</b> | <b>0.0276</b> |                | <b>0.0254</b> | <b>0.0254</b> | <b>0.0000</b> | <b>108.1451</b> | <b>108.1451</b> | <b>0.0350</b> | <b>0.0000</b> | <b>109.0195</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 4.0300e-003   | 0.1535        | 0.0342        | 5.5000e-004        | 0.0136        | 1.5000e-004        | 0.0138        | 3.9300e-003    | 1.4000e-004        | 4.0700e-003   | 0.0000        | 52.9128        | 52.9128        | 2.8700e-003        | 0.0000        | 52.9846        |
| Worker       | 8.7100e-003   | 6.0800e-003   | 0.0647        | 2.0000e-004        | 0.0237        | 1.5000e-004        | 0.0238        | 6.2900e-003    | 1.3000e-004        | 6.4200e-003   | 0.0000        | 18.2343        | 18.2343        | 4.4000e-004        | 0.0000        | 18.2453        |
| <b>Total</b> | <b>0.0127</b> | <b>0.1595</b> | <b>0.0989</b> | <b>7.5000e-004</b> | <b>0.0373</b> | <b>3.0000e-004</b> | <b>0.0376</b> | <b>0.0102</b>  | <b>2.7000e-004</b> | <b>0.0105</b> | <b>0.0000</b> | <b>71.1471</b> | <b>71.1471</b> | <b>3.3100e-003</b> | <b>0.0000</b> | <b>71.2299</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.9 Paving - East Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.0152        | 0.0656        | 0.9340        | 1.2300e-003        |               | 2.0200e-003        | 2.0200e-003        |                | 2.0200e-003        | 2.0200e-003        | 0.0000        | 108.1450        | 108.1450        | 0.0350        | 0.0000        | 109.0194        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0175</b> | <b>0.0656</b> | <b>0.9340</b> | <b>1.2300e-003</b> |               | <b>2.0200e-003</b> | <b>2.0200e-003</b> |                | <b>2.0200e-003</b> | <b>2.0200e-003</b> | <b>0.0000</b> | <b>108.1450</b> | <b>108.1450</b> | <b>0.0350</b> | <b>0.0000</b> | <b>109.0194</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 4.0300e-003   | 0.1535        | 0.0342        | 5.5000e-004        | 0.0136        | 1.5000e-004        | 0.0138        | 3.9300e-003    | 1.4000e-004        | 4.0700e-003   | 0.0000        | 52.9128        | 52.9128        | 2.8700e-003        | 0.0000        | 52.9846        |
| Worker       | 8.7100e-003   | 6.0800e-003   | 0.0647        | 2.0000e-004        | 0.0237        | 1.5000e-004        | 0.0238        | 6.2900e-003    | 1.3000e-004        | 6.4200e-003   | 0.0000        | 18.2343        | 18.2343        | 4.4000e-004        | 0.0000        | 18.2453        |
| <b>Total</b> | <b>0.0127</b> | <b>0.1595</b> | <b>0.0989</b> | <b>7.5000e-004</b> | <b>0.0373</b> | <b>3.0000e-004</b> | <b>0.0376</b> | <b>0.0102</b>  | <b>2.7000e-004</b> | <b>0.0105</b> | <b>0.0000</b> | <b>71.1471</b> | <b>71.1471</b> | <b>3.3100e-003</b> | <b>0.0000</b> | <b>71.2299</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.10 Architectural Coatings - East Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 0.7660        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0160        | 0.0996        | 0.0802        | 1.8000e-004        |               | 4.4300e-003        | 4.4300e-003        |                | 4.4300e-003        | 4.4300e-003        | 0.0000        | 11.7843        | 11.7843        | 1.3100e-003        | 0.0000        | 11.8169        |
| <b>Total</b>    | <b>0.7819</b> | <b>0.0996</b> | <b>0.0802</b> | <b>1.8000e-004</b> |               | <b>4.4300e-003</b> | <b>4.4300e-003</b> |                | <b>4.4300e-003</b> | <b>4.4300e-003</b> | <b>0.0000</b> | <b>11.7843</b> | <b>11.7843</b> | <b>1.3100e-003</b> | <b>0.0000</b> | <b>11.8169</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.8100e-003        | 4.0500e-003        | 0.0431        | 1.3000e-004        | 0.0158        | 1.0000e-004        | 0.0159        | 4.1900e-003        | 9.0000e-005        | 4.2800e-003        | 0.0000        | 12.1562        | 12.1562        | 2.9000e-004        | 0.0000        | 12.1636        |
| <b>Total</b> | <b>5.8100e-003</b> | <b>4.0500e-003</b> | <b>0.0431</b> | <b>1.3000e-004</b> | <b>0.0158</b> | <b>1.0000e-004</b> | <b>0.0159</b> | <b>4.1900e-003</b> | <b>9.0000e-005</b> | <b>4.2800e-003</b> | <b>0.0000</b> | <b>12.1562</b> | <b>12.1562</b> | <b>2.9000e-004</b> | <b>0.0000</b> | <b>12.1636</b> |

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**3.10 Architectural Coatings - East Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 0.7660        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0160        | 0.0996        | 0.0802        | 1.8000e-004        |               | 4.4300e-003        | 4.4300e-003        |                | 4.4300e-003        | 4.4300e-003        | 0.0000        | 11.7842        | 11.7842        | 1.3100e-003        | 0.0000        | 11.8169        |
| <b>Total</b>    | <b>0.7819</b> | <b>0.0996</b> | <b>0.0802</b> | <b>1.8000e-004</b> |               | <b>4.4300e-003</b> | <b>4.4300e-003</b> |                | <b>4.4300e-003</b> | <b>4.4300e-003</b> | <b>0.0000</b> | <b>11.7842</b> | <b>11.7842</b> | <b>1.3100e-003</b> | <b>0.0000</b> | <b>11.8169</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.8100e-003        | 4.0500e-003        | 0.0431        | 1.3000e-004        | 0.0158        | 1.0000e-004        | 0.0159        | 4.1900e-003        | 9.0000e-005        | 4.2800e-003        | 0.0000        | 12.1562        | 12.1562        | 2.9000e-004        | 0.0000        | 12.1636        |
| <b>Total</b> | <b>5.8100e-003</b> | <b>4.0500e-003</b> | <b>0.0431</b> | <b>1.3000e-004</b> | <b>0.0158</b> | <b>1.0000e-004</b> | <b>0.0159</b> | <b>4.1900e-003</b> | <b>9.0000e-005</b> | <b>4.2800e-003</b> | <b>0.0000</b> | <b>12.1562</b> | <b>12.1562</b> | <b>2.9000e-004</b> | <b>0.0000</b> | <b>12.1636</b> |

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**3.11 Paving - West Building - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0496        | 0.4892        | 0.7000        | 1.0900e-003        |               | 0.0245        | 0.0245        |                | 0.0225        | 0.0225        | 0.0000        | 96.1290        | 96.1290        | 0.0311        | 0.0000        | 96.9062        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0519</b> | <b>0.4892</b> | <b>0.7000</b> | <b>1.0900e-003</b> |               | <b>0.0245</b> | <b>0.0245</b> |                | <b>0.0225</b> | <b>0.0225</b> | <b>0.0000</b> | <b>96.1290</b> | <b>96.1290</b> | <b>0.0311</b> | <b>0.0000</b> | <b>96.9062</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 3.5800e-003   | 0.1364        | 0.0304        | 4.9000e-004        | 0.0121        | 1.3000e-004        | 0.0122        | 3.4900e-003        | 1.3000e-004        | 3.6200e-003        | 0.0000        | 47.0336        | 47.0336        | 2.5500e-003        | 0.0000        | 47.0974        |
| Worker       | 7.7400e-003   | 5.4000e-003   | 0.0575        | 1.8000e-004        | 0.0211        | 1.3000e-004        | 0.0212        | 5.5900e-003        | 1.2000e-004        | 5.7100e-003        | 0.0000        | 16.2083        | 16.2083        | 3.9000e-004        | 0.0000        | 16.2181        |
| <b>Total</b> | <b>0.0113</b> | <b>0.1418</b> | <b>0.0879</b> | <b>6.7000e-004</b> | <b>0.0332</b> | <b>2.6000e-004</b> | <b>0.0334</b> | <b>9.0800e-003</b> | <b>2.5000e-004</b> | <b>9.3300e-003</b> | <b>0.0000</b> | <b>63.2419</b> | <b>63.2419</b> | <b>2.9400e-003</b> | <b>0.0000</b> | <b>63.3155</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**3.11 Paving - West Building - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0135        | 0.0583        | 0.8302        | 1.0900e-003        |               | 1.8000e-003        | 1.8000e-003        |                | 1.8000e-003        | 1.8000e-003        | 0.0000        | 96.1288        | 96.1288        | 0.0311        | 0.0000        | 96.9061        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0158</b> | <b>0.0583</b> | <b>0.8302</b> | <b>1.0900e-003</b> |               | <b>1.8000e-003</b> | <b>1.8000e-003</b> |                | <b>1.8000e-003</b> | <b>1.8000e-003</b> | <b>0.0000</b> | <b>96.1288</b> | <b>96.1288</b> | <b>0.0311</b> | <b>0.0000</b> | <b>96.9061</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 3.5800e-003   | 0.1364        | 0.0304        | 4.9000e-004        | 0.0121        | 1.3000e-004        | 0.0122        | 3.4900e-003        | 1.3000e-004        | 3.6200e-003        | 0.0000        | 47.0336        | 47.0336        | 2.5500e-003        | 0.0000        | 47.0974        |
| Worker       | 7.7400e-003   | 5.4000e-003   | 0.0575        | 1.8000e-004        | 0.0211        | 1.3000e-004        | 0.0212        | 5.5900e-003        | 1.2000e-004        | 5.7100e-003        | 0.0000        | 16.2083        | 16.2083        | 3.9000e-004        | 0.0000        | 16.2181        |
| <b>Total</b> | <b>0.0113</b> | <b>0.1418</b> | <b>0.0879</b> | <b>6.7000e-004</b> | <b>0.0332</b> | <b>2.6000e-004</b> | <b>0.0334</b> | <b>9.0800e-003</b> | <b>2.5000e-004</b> | <b>9.3300e-003</b> | <b>0.0000</b> | <b>63.2419</b> | <b>63.2419</b> | <b>2.9400e-003</b> | <b>0.0000</b> | <b>63.3155</b> |

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**3.12 Architectural Coatings - West Bldg - 2023**

**Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 0.7660        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0160        | 0.0996        | 0.0802        | 1.8000e-004        |               | 4.4300e-003        | 4.4300e-003        |                | 4.4300e-003        | 4.4300e-003        | 0.0000        | 11.7843        | 11.7843        | 1.3100e-003        | 0.0000        | 11.8169        |
| <b>Total</b>    | <b>0.7819</b> | <b>0.0996</b> | <b>0.0802</b> | <b>1.8000e-004</b> |               | <b>4.4300e-003</b> | <b>4.4300e-003</b> |                | <b>4.4300e-003</b> | <b>4.4300e-003</b> | <b>0.0000</b> | <b>11.7843</b> | <b>11.7843</b> | <b>1.3100e-003</b> | <b>0.0000</b> | <b>11.8169</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.8100e-003        | 4.0500e-003        | 0.0431        | 1.3000e-004        | 0.0158        | 1.0000e-004        | 0.0159        | 4.1900e-003        | 9.0000e-005        | 4.2800e-003        | 0.0000        | 12.1562        | 12.1562        | 2.9000e-004        | 0.0000        | 12.1636        |
| <b>Total</b> | <b>5.8100e-003</b> | <b>4.0500e-003</b> | <b>0.0431</b> | <b>1.3000e-004</b> | <b>0.0158</b> | <b>1.0000e-004</b> | <b>0.0159</b> | <b>4.1900e-003</b> | <b>9.0000e-005</b> | <b>4.2800e-003</b> | <b>0.0000</b> | <b>12.1562</b> | <b>12.1562</b> | <b>2.9000e-004</b> | <b>0.0000</b> | <b>12.1636</b> |

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**3.12 Architectural Coatings - West Bldg - 2023**

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 0.7660        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0160        | 0.0996        | 0.0802        | 1.8000e-004        |               | 4.4300e-003        | 4.4300e-003        |                | 4.4300e-003        | 4.4300e-003        | 0.0000        | 11.7842        | 11.7842        | 1.3100e-003        | 0.0000        | 11.8169        |
| <b>Total</b>    | <b>0.7819</b> | <b>0.0996</b> | <b>0.0802</b> | <b>1.8000e-004</b> |               | <b>4.4300e-003</b> | <b>4.4300e-003</b> |                | <b>4.4300e-003</b> | <b>4.4300e-003</b> | <b>0.0000</b> | <b>11.7842</b> | <b>11.7842</b> | <b>1.3100e-003</b> | <b>0.0000</b> | <b>11.8169</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.8100e-003        | 4.0500e-003        | 0.0431        | 1.3000e-004        | 0.0158        | 1.0000e-004        | 0.0159        | 4.1900e-003        | 9.0000e-005        | 4.2800e-003        | 0.0000        | 12.1562        | 12.1562        | 2.9000e-004        | 0.0000        | 12.1636        |
| <b>Total</b> | <b>5.8100e-003</b> | <b>4.0500e-003</b> | <b>0.0431</b> | <b>1.3000e-004</b> | <b>0.0158</b> | <b>1.0000e-004</b> | <b>0.0159</b> | <b>4.1900e-003</b> | <b>9.0000e-005</b> | <b>4.2800e-003</b> | <b>0.0000</b> | <b>12.1562</b> | <b>12.1562</b> | <b>2.9000e-004</b> | <b>0.0000</b> | <b>12.1636</b> |

**4.0 Operational Detail - Mobile**

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Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**4.1 Mitigation Measures Mobile**

|             | ROG     | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category    | tons/yr |        |        |        |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| Mitigated   | 0.4708  | 0.8495 | 6.1092 | 0.0183 | 2.0571        | 0.0134       | 2.0705     | 0.5470         | 0.0124        | 0.5594      | 0.0000   | 1,658.1154 | 1,658.1154 | 0.0598 | 0.0000 | 1,659.6103 |
| Unmitigated | 0.4708  | 0.8495 | 6.1092 | 0.0183 | 2.0571        | 0.0134       | 2.0705     | 0.5470         | 0.0124        | 0.5594      | 0.0000   | 1,658.1154 | 1,658.1154 | 0.0598 | 0.0000 | 1,659.6103 |

**4.2 Trip Summary Information**

| Land Use                       | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|--------------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                                | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Apartments Mid Rise            | 1,420.10                | 1,420.10        | 1420.10         | 5,200,168        | 5,200,168        |
| City Park                      | 0.00                    | 0.00            | 0.00            |                  |                  |
| Condo/Townhouse                | 0.00                    | 0.00            | 0.00            |                  |                  |
| Enclosed Parking with Elevator | 0.00                    | 0.00            | 0.00            |                  |                  |
| General Office Building        | 0.00                    | 0.00            | 0.00            |                  |                  |
| Parking Lot                    | 0.00                    | 0.00            | 0.00            |                  |                  |
| Recreational Swimming Pool     | 0.00                    | 0.00            | 0.00            |                  |                  |
| Strip Mall                     | 83.16                   | 83.16           | 83.16           | 304,501          | 304,501          |
| <b>Total</b>                   | <b>1,503.25</b>         | <b>1,503.25</b> | <b>1,503.25</b> | <b>5,504,669</b> | <b>5,504,669</b> |

**4.3 Trip Type Information**

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| Land Use                       | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|--------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                                | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Mid Rise            | 10.06      | 10.06      | 10.06       | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse                | 14.70      | 5.90       | 8.70        | 40.00      | 20.00      | 40.00       | 100            | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| General Office Building        | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Parking Lot                    | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Recreational Swimming Pool     | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 52             | 39       | 9       |
| Strip Mall                     | 10.06      | 10.06      | 10.06       | 16.60      | 64.40      | 19.00       | 100            | 0        | 0       |

4.4 Fleet Mix

| Land Use                       | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise            | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| City Park                      | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Condo/Townhouse                | 0.600000 | 0.060000 | 0.190000 | 0.120000 | 0.015000 | 0.005000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.010000 | 0.000000 | 0.000000 |
| Enclosed Parking with Elevator | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| General Office Building        | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Parking Lot                    | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Recreational Swimming Pool     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |
| Strip Mall                     | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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|                         | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category                | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |             |             |          |
| Electricity Mitigated   |         |        |        |             |               |              | 0.0000     | 0.0000         |               | 0.0000      | 0.0000   | 488.0417  | 488.0417  | 0.0226      | 4.6700e-003 | 489.9962 |
| Electricity Unmitigated |         |        |        |             |               |              | 0.0000     | 0.0000         |               | 0.0000      | 0.0000   | 495.8674  | 495.8674  | 0.0229      | 4.7400e-003 | 497.8533 |
| NaturalGas Mitigated    | 0.0203  | 0.1737 | 0.0744 | 1.1100e-003 |               |              | 0.0140     | 0.0140         |               | 0.0140      | 0.0140   | 201.0779  | 201.0779  | 3.8500e-003 | 3.6900e-003 | 202.2728 |
| NaturalGas Unmitigated  | 0.0203  | 0.1737 | 0.0744 | 1.1100e-003 |               |              | 0.0140     | 0.0140         |               | 0.0140      | 0.0140   | 201.0779  | 201.0779  | 3.8500e-003 | 3.6900e-003 | 202.2728 |

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                       | kBTU/yr        | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |                    |                    |                 |
| Apartments Mid Rise            | 3.72494e+006   | 0.0201        | 0.1716        | 0.0730        | 1.1000e-003        |               | 0.0139        | 0.0139        |                | 0.0139        | 0.0139        | 0.0000        | 198.7769        | 198.7769        | 3.8100e-003        | 3.6400e-003        | 199.9581        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Condo/Townhouse                | 21100          | 1.1000e-004   | 9.7000e-004   | 4.1000e-004   | 1.0000e-005        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   | 0.0000        | 1.1260          | 1.1260          | 2.0000e-005        | 2.0000e-005        | 1.1327          |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| General Office Building        | 16611          | 9.0000e-005   | 8.1000e-004   | 6.8000e-004   | 0.0000             |               | 6.0000e-005   | 6.0000e-005   |                | 6.0000e-005   | 6.0000e-005   | 0.0000        | 0.8864          | 0.8864          | 2.0000e-005        | 2.0000e-005        | 0.8917          |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Strip Mall                     | 5407.92        | 3.0000e-005   | 2.7000e-004   | 2.2000e-004   | 0.0000             |               | 2.0000e-005   | 2.0000e-005   |                | 2.0000e-005   | 2.0000e-005   | 0.0000        | 0.2886          | 0.2886          | 1.0000e-005        | 1.0000e-005        | 0.2903          |
| <b>Total</b>                   |                | <b>0.0203</b> | <b>0.1737</b> | <b>0.0744</b> | <b>1.1100e-003</b> |               | <b>0.0140</b> | <b>0.0140</b> |                | <b>0.0140</b> | <b>0.0140</b> | <b>0.0000</b> | <b>201.0779</b> | <b>201.0779</b> | <b>3.8600e-003</b> | <b>3.6900e-003</b> | <b>202.2728</b> |

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

|                                | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                       | kBTU/yr        | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |                    |                    |                 |
| Apartments Mid Rise            | 3.72494e+006   | 0.0201        | 0.1716        | 0.0730        | 1.1000e-003        |               | 0.0139        | 0.0139        |                | 0.0139        | 0.0139        | 0.0000        | 198.7769        | 198.7769        | 3.8100e-003        | 3.6400e-003        | 199.9581        |
| City Park                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Condo/Townhouse                | 21100          | 1.1000e-004   | 9.7000e-004   | 4.1000e-004   | 1.0000e-005        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   | 0.0000        | 1.1260          | 1.1260          | 2.0000e-005        | 2.0000e-005        | 1.1327          |
| Enclosed Parking with Elevator | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| General Office Building        | 16611          | 9.0000e-005   | 8.1000e-004   | 6.8000e-004   | 0.0000             |               | 6.0000e-005   | 6.0000e-005   |                | 6.0000e-005   | 6.0000e-005   | 0.0000        | 0.8864          | 0.8864          | 2.0000e-005        | 2.0000e-005        | 0.8917          |
| Parking Lot                    | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Recreational Swimming Pool     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Strip Mall                     | 5407.92        | 3.0000e-005   | 2.7000e-004   | 2.2000e-004   | 0.0000             |               | 2.0000e-005   | 2.0000e-005   |                | 2.0000e-005   | 2.0000e-005   | 0.0000        | 0.2886          | 0.2886          | 1.0000e-005        | 1.0000e-005        | 0.2903          |
| <b>Total</b>                   |                | <b>0.0203</b> | <b>0.1737</b> | <b>0.0744</b> | <b>1.1100e-003</b> |               | <b>0.0140</b> | <b>0.0140</b> |                | <b>0.0140</b> | <b>0.0140</b> | <b>0.0000</b> | <b>201.0779</b> | <b>201.0779</b> | <b>3.8600e-003</b> | <b>3.6900e-003</b> | <b>202.2728</b> |

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

|                                | Electricity Use | Total CO2       | CH4           | N2O                | CO2e            |
|--------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use                       | kWh/yr          | MT/yr           |               |                    |                 |
| Apartments Mid Rise            | 1.02564e+006    | 291.9232        | 0.0135        | 2.7900e-003        | 293.0923        |
| City Park                      | 0               | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Condo/Townhouse                | 4973.76         | 1.4157          | 7.0000e-005   | 1.0000e-005        | 1.4213          |
| Enclosed Parking with Elevator | 608464          | 173.1839        | 8.0000e-003   | 1.6600e-003        | 173.8774        |
| General Office Building        | 50885           | 14.4831         | 6.7000e-004   | 1.4000e-004        | 14.5411         |
| Parking Lot                    | 22641.5         | 6.4443          | 3.0000e-004   | 6.0000e-005        | 6.4701          |
| Recreational Swimming Pool     | 0               | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Strip Mall                     | 29573           | 8.4172          | 3.9000e-004   | 8.0000e-005        | 8.4509          |
| <b>Total</b>                   |                 | <b>495.8674</b> | <b>0.0229</b> | <b>4.7400e-003</b> | <b>497.8533</b> |

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

|                                | Electricity Use | Total CO2       | CH4           | N2O                | CO2e            |
|--------------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use                       | kWh/yr          | MT/yr           |               |                    |                 |
| Apartments Mid Rise            | 998148          | 284.0975        | 0.0131        | 2.7200e-003        | 285.2352        |
| City Park                      | 0               | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Condo/Townhouse                | 4973.76         | 1.4157          | 7.0000e-005   | 1.0000e-005        | 1.4213          |
| Enclosed Parking with Elevator | 608464          | 173.1839        | 8.0000e-003   | 1.6600e-003        | 173.8774        |
| General Office Building        | 50885           | 14.4831         | 6.7000e-004   | 1.4000e-004        | 14.5411         |
| Parking Lot                    | 22641.5         | 6.4443          | 3.0000e-004   | 6.0000e-005        | 6.4701          |
| Recreational Swimming Pool     | 0               | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Strip Mall                     | 29573           | 8.4172          | 3.9000e-004   | 8.0000e-005        | 8.4509          |
| <b>Total</b>                   |                 | <b>488.0417</b> | <b>0.0226</b> | <b>4.6700e-003</b> | <b>489.9962</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

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|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |             |             |         |
| Mitigated   | 1.0179  | 0.0370 | 2.6897 | 1.8000e-004 |               | 0.0154       | 0.0154     |                | 0.0154        | 0.0154      | 0.0000   | 11.4053   | 11.4053   | 4.3700e-003 | 1.3000e-004 | 11.5529 |
| Unmitigated | 1.0179  | 0.0370 | 2.6897 | 1.8000e-004 |               | 0.0154       | 0.0154     |                | 0.0154        | 0.0154      | 0.0000   | 11.4053   | 11.4053   | 4.3700e-003 | 1.3000e-004 | 11.5529 |

6.2 Area by SubCategory

Unmitigated

|                       | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| SubCategory           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |                    |                |
| Architectural Coating | 0.0766        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Consumer Products     | 0.8594        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Hearth                | 7.1000e-004   | 6.0500e-003   | 2.5800e-003   | 4.0000e-005        |               | 4.9000e-004   | 4.9000e-004   |                | 4.9000e-004   | 4.9000e-004   | 0.0000        | 7.0120         | 7.0120         | 1.3000e-004        | 1.3000e-004        | 7.0537         |
| Landscaping           | 0.0812        | 0.0309        | 2.6871        | 1.4000e-004        |               | 0.0149        | 0.0149        |                | 0.0149        | 0.0149        | 0.0000        | 4.3933         | 4.3933         | 4.2400e-003        | 0.0000             | 4.4992         |
| <b>Total</b>          | <b>1.0179</b> | <b>0.0370</b> | <b>2.6897</b> | <b>1.8000e-004</b> |               | <b>0.0154</b> | <b>0.0154</b> |                | <b>0.0154</b> | <b>0.0154</b> | <b>0.0000</b> | <b>11.4053</b> | <b>11.4053</b> | <b>4.3700e-003</b> | <b>1.3000e-004</b> | <b>11.5529</b> |



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**6.2 Area by SubCategory**

**Mitigated**

|                       | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| SubCategory           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |                    |                |
| Architectural Coating | 0.0766        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Consumer Products     | 0.8594        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Hearth                | 7.1000e-004   | 6.0500e-003   | 2.5800e-003   | 4.0000e-005        |               | 4.9000e-004   | 4.9000e-004   |                | 4.9000e-004   | 4.9000e-004   | 0.0000        | 7.0120         | 7.0120         | 1.3000e-004        | 1.3000e-004        | 7.0537         |
| Landscaping           | 0.0812        | 0.0309        | 2.6871        | 1.4000e-004        |               | 0.0149        | 0.0149        |                | 0.0149        | 0.0149        | 0.0000        | 4.3933         | 4.3933         | 4.2400e-003        | 0.0000             | 4.4992         |
| <b>Total</b>          | <b>1.0179</b> | <b>0.0370</b> | <b>2.6897</b> | <b>1.8000e-004</b> |               | <b>0.0154</b> | <b>0.0154</b> |                | <b>0.0154</b> | <b>0.0154</b> | <b>0.0000</b> | <b>11.4053</b> | <b>11.4053</b> | <b>4.3700e-003</b> | <b>1.3000e-004</b> | <b>11.5529</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Use Water Efficient Irrigation System

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
| Category    | MT/yr     |        |        |          |
| Mitigated   | 133.1215  | 0.8145 | 0.0203 | 159.5324 |
| Unmitigated | 145.1584  | 0.8950 | 0.0223 | 174.1769 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**7.2 Water by Land Use**

**Unmitigated**

|                                | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|--------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use                       | Mgal               | MT/yr           |               |               |                 |
| Apartments Mid Rise            | 24.2944 / 10.6385  | 131.3858        | 0.7974        | 0.0199        | 157.2423        |
| City Park                      | 0 / 0.393189       | 1.2433          | 6.0000e-005   | 1.0000e-005   | 1.2483          |
| Condo/Townhouse                | 0 / 0.0410754      | 0.1299          | 1.0000e-005   | 0.0000        | 0.1304          |
| Enclosed Parking with Elevator | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| General Office Building        | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Parking Lot                    | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Recreational Swimming Pool     | 0 / 0.129772       | 0.4104          | 2.0000e-005   | 0.0000        | 0.4120          |
| Strip Mall                     | 2.97986 / 0        | 11.9890         | 0.0976        | 2.4000e-003   | 15.1440         |
| <b>Total</b>                   |                    | <b>145.1584</b> | <b>0.8951</b> | <b>0.0223</b> | <b>174.1769</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**7.2 Water by Land Use**

**Mitigated**

|                                | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|--------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use                       | Mgal               | MT/yr           |               |               |                 |
| Apartments Mid Rise            | 22.1079 / 9.98957  | 120.5367        | 0.7256        | 0.0181        | 144.0699        |
| City Park                      | 0 / 0.369204       | 1.1675          | 5.0000e-005   | 1.0000e-005   | 1.1722          |
| Condo/Townhouse                | 0 / 0.0385698      | 0.1220          | 1.0000e-005   | 0.0000        | 0.1225          |
| Enclosed Parking with Elevator | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| General Office Building        | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Parking Lot                    | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Recreational Swimming Pool     | 0 / 0.121855       | 0.3853          | 2.0000e-005   | 0.0000        | 0.3869          |
| Strip Mall                     | 2.71167 / 0        | 10.9100         | 0.0888        | 2.1800e-003   | 13.7810         |
| <b>Total</b>                   |                    | <b>133.1215</b> | <b>0.8145</b> | <b>0.0203</b> | <b>159.5324</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
|             | MT/yr     |        |        |          |
| Mitigated   | 122.9963  | 7.2689 | 0.0000 | 304.7181 |
| Unmitigated | 122.9963  | 7.2689 | 0.0000 | 304.7181 |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

|                                | Waste Disposed | Total CO2       | CH4           | N2O           | CO2e            |
|--------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use                       | tons           | MT/yr           |               |               |                 |
| Apartments Mid Rise            | 580.32         | 117.7997        | 6.9618        | 0.0000        | 291.8438        |
| City Park                      | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Condo/Townhouse                | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Enclosed Parking with Elevator | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| General Office Building        | 5.15           | 1.0454          | 0.0618        | 0.0000        | 2.5899          |
| Parking Lot                    | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Recreational Swimming Pool     | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Strip Mall                     | 20.45          | 4.1512          | 0.2453        | 0.0000        | 10.2843         |
| <b>Total</b>                   |                | <b>122.9963</b> | <b>7.2689</b> | <b>0.0000</b> | <b>304.7181</b> |

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

|                                | Waste Disposed | Total CO2       | CH4           | N2O           | CO2e            |
|--------------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use                       | tons           | MT/yr           |               |               |                 |
| Apartments Mid Rise            | 580.32         | 117.7997        | 6.9618        | 0.0000        | 291.8438        |
| City Park                      | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Condo/Townhouse                | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Enclosed Parking with Elevator | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| General Office Building        | 5.15           | 1.0454          | 0.0618        | 0.0000        | 2.5899          |
| Parking Lot                    | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Recreational Swimming Pool     | 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Strip Mall                     | 20.45          | 4.1512          | 0.2453        | 0.0000        | 10.2843         |
| <b>Total</b>                   |                | <b>122.9963</b> | <b>7.2689</b> | <b>0.0000</b> | <b>304.7181</b> |

**9.0 Operational Offroad**

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Alta Cuvee Mixed-Use Project - San Bernardino-South Coast County, Annual

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**Alta Cuvee Bus Bay**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size | Metric   | Lot Acreage | Floor Surface Area | Population |
|------------------------|------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 1.00 | 1000sqft | 0.02        | 1,000.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

Project Characteristics - CO2 Intensity from 2020 RCMU Power Content Label: 630 lbCO2e/MWh (RCMU, 2021)

Land Use - Approximately 850 square feet + buffer.

Construction Phase - Schedule Provided

Off-road Equipment - Other material handling = concrete truck/pump.

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Trips and VMT - Modeling accounts for 1 haul load/day during demolition.  
Assume 10 workers/day throughout.

Demolition -

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 BMPs: watering thrice daily.

Clean Fleet BMP: Tier 4 Equipment > 25 hp

| Table Name              | Column Name                | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 3.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 4.00      |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

|                           |                            |           |              |
|---------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase      | NumDays                    | 100.00    | 15.00        |
| tblConstructionPhase      | NumDays                    | 10.00     | 12.00        |
| tblConstructionPhase      | NumDays                    | 5.00      | 3.00         |
| tblConstructionPhase      | NumDays                    | 1.00      | 24.00        |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44    | 627.49       |
| tblTripsAndVMT            | HaulingTripNumber          | 2.00      | 20.00        |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 4.00         |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 2.00         |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

|                |                  |       |       |
|----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00  | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 20.00 |

**2.0 Emissions Summary**

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Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |               |                    |
| Area         | 4.4000e-004        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |               | 2.3000e-004        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             |
| <b>Total</b> | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> |

**Mitigated Operational**

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |               |                    |
| Area         | 4.4000e-004        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |               | 2.3000e-004        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             |
| <b>Total</b> | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 1/8/2024   | 1/20/2024 | 6             | 12       |                   |
| 2            | Site Preparation      | Site Preparation      | 1/22/2024  | 2/17/2024 | 6             | 24       |                   |
| 3            | Building Construction | Building Construction | 2/19/2024  | 3/6/2024  | 6             | 15       |                   |
| 4            | Paving                | Paving                | 3/7/2024   | 3/9/2024  | 6             | 3        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

| Phase Name            | Offroad Equipment Type            | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|-----------------------------------|--------|-------------|-------------|-------------|
| Demolition            | Air Compressors                   | 1      | 4.00        | 78          | 0.48        |
| Demolition            | Concrete/Industrial Saws          | 1      | 2.00        | 81          | 0.73        |
| Demolition            | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Demolition            | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Demolition            | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Site Preparation      | Plate Compactors                  | 1      | 4.00        | 8           | 0.43        |
| Site Preparation      | Rubber Tired Dozers               | 1      | 1.00        | 247         | 0.40        |
| Site Preparation      | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Site Preparation      | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Site Preparation      | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Building Construction | Other Material Handling Equipment | 1      | 6.00        | 168         | 0.40        |
| Building Construction | Rough Terrain Forklifts           | 1      | 6.00        | 100         | 0.40        |
| Building Construction | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Building Construction | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Building Construction | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Paving                | Cement and Mortar Mixers          | 2      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                            | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                           | 1      | 7.00        | 80          | 0.38        |
| Paving                | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Paving                | Tractors/Loaders/Backhoes         | 1      | 7.00        | 97          | 0.37        |

**Trips and VMT**



Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 20.00              | 0.00               | 20.00               | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 6                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 6                       | 20.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 7                       | 20.00              | 2.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 2024**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                    |               |               | lb/day   |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0357        | 0.0000        | 0.0357        | 5.4000e-003        | 0.0000        | 5.4000e-003   |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.4681        | 3.8410        | 5.4364        | 8.8300e-003        |               | 0.1660        | 0.1660        |                    | 0.1604        | 0.1604        |          | 811.1758        | 811.1758        | 0.1497        |     | 814.9181        |
| <b>Total</b>  | <b>0.4681</b> | <b>3.8410</b> | <b>5.4364</b> | <b>8.8300e-003</b> | <b>0.0357</b> | <b>0.1660</b> | <b>0.2016</b> | <b>5.4000e-003</b> | <b>0.1604</b> | <b>0.1658</b> |          | <b>811.1758</b> | <b>811.1758</b> | <b>0.1497</b> |     | <b>814.9181</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 6.8000e-003   | 0.2327        | 0.0562        | 1.2000e-003        | 0.0292        | 4.2000e-004        | 0.0296        | 8.0000e-003    | 4.0000e-004        | 8.3900e-003   |          | 127.6081        | 127.6081        | 6.5600e-003   |     | 127.7721        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003   |     | 176.3229        |
| <b>Total</b> | <b>0.0912</b> | <b>0.2811</b> | <b>0.5877</b> | <b>2.9700e-003</b> | <b>0.2527</b> | <b>1.7600e-003</b> | <b>0.2545</b> | <b>0.0673</b>  | <b>1.6300e-003</b> | <b>0.0689</b> |          | <b>303.8306</b> | <b>303.8306</b> | <b>0.0106</b> |     | <b>304.0950</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                    |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0139        | 0.0000        | 0.0139        | 2.1100e-003        | 0.0000        | 2.1100e-003   |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.2168        | 1.8676        | 5.7219        | 8.8300e-003        |               | 0.0390        | 0.0390        |                    | 0.0390        | 0.0390        | 0.0000        | 811.1758        | 811.1758        | 0.1497        |     | 814.9181        |
| <b>Total</b>  | <b>0.2168</b> | <b>1.8676</b> | <b>5.7219</b> | <b>8.8300e-003</b> | <b>0.0139</b> | <b>0.0390</b> | <b>0.0529</b> | <b>2.1100e-003</b> | <b>0.0390</b> | <b>0.0411</b> | <b>0.0000</b> | <b>811.1758</b> | <b>811.1758</b> | <b>0.1497</b> |     | <b>814.9181</b> |

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**3.2 Demolition - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 6.8000e-003   | 0.2327        | 0.0562        | 1.2000e-003        | 0.0292        | 4.2000e-004        | 0.0296        | 8.0000e-003    | 4.0000e-004        | 8.3900e-003   |          | 127.6081        | 127.6081        | 6.5600e-003   |     | 127.7721        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003   |     | 176.3229        |
| <b>Total</b> | <b>0.0912</b> | <b>0.2811</b> | <b>0.5877</b> | <b>2.9700e-003</b> | <b>0.2527</b> | <b>1.7600e-003</b> | <b>0.2545</b> | <b>0.0673</b>  | <b>1.6300e-003</b> | <b>0.0689</b> |          | <b>303.8306</b> | <b>303.8306</b> | <b>0.0106</b> |     | <b>304.0950</b> |

**3.3 Site Preparation - 2024**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.3763        | 3.4415        | 3.8137        | 6.5900e-003        |               | 0.1427        | 0.1427        |                | 0.1340        | 0.1340        |          | 595.9899        | 595.9899        | 0.1673        |     | 600.1727        |
| <b>Total</b>  | <b>0.3763</b> | <b>3.4415</b> | <b>3.8137</b> | <b>6.5900e-003</b> | <b>0.7528</b> | <b>0.1427</b> | <b>0.8955</b> | <b>0.4138</b>  | <b>0.1340</b> | <b>0.5477</b> |          | <b>595.9899</b> | <b>595.9899</b> | <b>0.1673</b> |     | <b>600.1727</b> |

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**3.3 Site Preparation - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003        |     | 176.3229        |
| <b>Total</b> | <b>0.0844</b> | <b>0.0484</b> | <b>0.5315</b> | <b>1.7700e-003</b> | <b>0.2236</b> | <b>1.3400e-003</b> | <b>0.2249</b> | <b>0.0593</b>  | <b>1.2300e-003</b> | <b>0.0605</b> |          | <b>176.2225</b> | <b>176.2225</b> | <b>4.0100e-003</b> |     | <b>176.3229</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.2936        | 0.0000        | 0.2936        | 0.1614         | 0.0000        | 0.1614        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.2145        | 1.8962        | 4.1201        | 6.5900e-003        |               | 0.0409        | 0.0409        |                | 0.0409        | 0.0409        | 0.0000        | 595.9899        | 595.9899        | 0.1673        |     | 600.1727        |
| <b>Total</b>  | <b>0.2145</b> | <b>1.8962</b> | <b>4.1201</b> | <b>6.5900e-003</b> | <b>0.2936</b> | <b>0.0409</b> | <b>0.3345</b> | <b>0.1614</b>  | <b>0.0409</b> | <b>0.2023</b> | <b>0.0000</b> | <b>595.9899</b> | <b>595.9899</b> | <b>0.1673</b> |     | <b>600.1727</b> |

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**3.3 Site Preparation - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003        |     | 176.3229        |
| <b>Total</b> | <b>0.0844</b> | <b>0.0484</b> | <b>0.5315</b> | <b>1.7700e-003</b> | <b>0.2236</b> | <b>1.3400e-003</b> | <b>0.2249</b> | <b>0.0593</b>  | <b>1.2300e-003</b> | <b>0.0605</b> |          | <b>176.2225</b> | <b>176.2225</b> | <b>4.0100e-003</b> |     | <b>176.3229</b> |

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.5314        | 4.8941        | 7.8616        | 0.0122        |               | 0.2067        | 0.2067        |                | 0.1924        | 0.1924        |          | 1,145.4373        | 1,145.4373        | 0.3488        |     | 1,154.1573        |
| <b>Total</b> | <b>0.5314</b> | <b>4.8941</b> | <b>7.8616</b> | <b>0.0122</b> |               | <b>0.2067</b> | <b>0.2067</b> |                | <b>0.1924</b> | <b>0.1924</b> |          | <b>1,145.4373</b> | <b>1,145.4373</b> | <b>0.3488</b> |     | <b>1,154.1573</b> |

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**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 7.6100e-003   | 0.2809        | 0.0646        | 1.0000e-003        | 0.0256        | 2.8000e-004        | 0.0259        | 7.3800e-003    | 2.7000e-004        | 7.6500e-003   |          | 105.4662        | 105.4662        | 6.1800e-003   |     | 105.6206        |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003   |     | 176.3229        |
| <b>Total</b> | <b>0.0920</b> | <b>0.3293</b> | <b>0.5962</b> | <b>2.7700e-003</b> | <b>0.2492</b> | <b>1.6200e-003</b> | <b>0.2508</b> | <b>0.0667</b>  | <b>1.5000e-003</b> | <b>0.0682</b> |          | <b>281.6887</b> | <b>281.6887</b> | <b>0.0102</b> |     | <b>281.9435</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2665        | 2.0826        | 8.7823        | 0.0122        |               | 0.0456        | 0.0456        |                | 0.0456        | 0.0456        | 0.0000        | 1,145.4373        | 1,145.4373        | 0.3488        |     | 1,154.1573        |
| <b>Total</b> | <b>0.2665</b> | <b>2.0826</b> | <b>8.7823</b> | <b>0.0122</b> |               | <b>0.0456</b> | <b>0.0456</b> |                | <b>0.0456</b> | <b>0.0456</b> | <b>0.0000</b> | <b>1,145.4373</b> | <b>1,145.4373</b> | <b>0.3488</b> |     | <b>1,154.1573</b> |

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**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 7.6100e-003   | 0.2809        | 0.0646        | 1.0000e-003        | 0.0256        | 2.8000e-004        | 0.0259        | 7.3800e-003    | 2.7000e-004        | 7.6500e-003   |          | 105.4662        | 105.4662        | 6.1800e-003   |     | 105.6206        |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003   |     | 176.3229        |
| <b>Total</b> | <b>0.0920</b> | <b>0.3293</b> | <b>0.5962</b> | <b>2.7700e-003</b> | <b>0.2492</b> | <b>1.6200e-003</b> | <b>0.2508</b> | <b>0.0667</b>  | <b>1.5000e-003</b> | <b>0.0682</b> |          | <b>281.6887</b> | <b>281.6887</b> | <b>0.0102</b> |     | <b>281.9435</b> |

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.6169        | 5.3962        | 7.1709        | 0.0116        |               | 0.2493        | 0.2493        |                | 0.2333        | 0.2333        |          | 1,059.0919        | 1,059.0919        | 0.3042        |     | 1,066.6977        |
| Paving       | 0.0175        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.6344</b> | <b>5.3962</b> | <b>7.1709</b> | <b>0.0116</b> |               | <b>0.2493</b> | <b>0.2493</b> |                | <b>0.2333</b> | <b>0.2333</b> |          | <b>1,059.0919</b> | <b>1,059.0919</b> | <b>0.3042</b> |     | <b>1,066.6977</b> |

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**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 3.8100e-003   | 0.1404        | 0.0323        | 5.0000e-004        | 0.0128        | 1.4000e-004        | 0.0130        | 3.6900e-003    | 1.3000e-004        | 3.8200e-003   |          | 52.7331         | 52.7331         | 3.0900e-003        |     | 52.8103         |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003        |     | 176.3229        |
| <b>Total</b> | <b>0.0882</b> | <b>0.1888</b> | <b>0.5639</b> | <b>2.2700e-003</b> | <b>0.2364</b> | <b>1.4800e-003</b> | <b>0.2378</b> | <b>0.0630</b>  | <b>1.3600e-003</b> | <b>0.0643</b> |          | <b>228.9556</b> | <b>228.9556</b> | <b>7.1000e-003</b> |     | <b>229.1332</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3148        | 1.7562        | 7.9674        | 0.0116        |               | 0.0643        | 0.0643        |                | 0.0643        | 0.0643        | 0.0000        | 1,059.0919        | 1,059.0919        | 0.3042        |     | 1,066.6977        |
| Paving       | 0.0175        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3323</b> | <b>1.7562</b> | <b>7.9674</b> | <b>0.0116</b> |               | <b>0.0643</b> | <b>0.0643</b> |                | <b>0.0643</b> | <b>0.0643</b> | <b>0.0000</b> | <b>1,059.0919</b> | <b>1,059.0919</b> | <b>0.3042</b> |     | <b>1,066.6977</b> |



Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 3.8100e-003   | 0.1404        | 0.0323        | 5.0000e-004        | 0.0128        | 1.4000e-004        | 0.0130        | 3.6900e-003    | 1.3000e-004        | 3.8200e-003   |          | 52.7331         | 52.7331         | 3.0900e-003        |     | 52.8103         |
| Worker       | 0.0844        | 0.0484        | 0.5315        | 1.7700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 176.2225        | 176.2225        | 4.0100e-003        |     | 176.3229        |
| <b>Total</b> | <b>0.0882</b> | <b>0.1888</b> | <b>0.5639</b> | <b>2.2700e-003</b> | <b>0.2364</b> | <b>1.4800e-003</b> | <b>0.2378</b> | <b>0.0630</b>  | <b>1.3600e-003</b> | <b>0.0643</b> |          | <b>228.9556</b> | <b>228.9556</b> | <b>7.1000e-003</b> |     | <b>229.1332</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|--------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                  | 0.00                    | 0.00     | 0.00   |             |            |

4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**5.1 Mitigation Measures Energy**

|                        | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category               | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |        |        |
| NaturalGas Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr        | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| Other Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr        | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| Other Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

|             | ROG         | NOx    | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O | CO2e        |
|-------------|-------------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|-----|-------------|
| Category    | lb/day      |        |             |        |               |              |            |                |               |             | lb/day   |             |             |        |     |             |
| Mitigated   | 4.4000e-004 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |
| Unmitigated | 4.4000e-004 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**6.2 Area by SubCategory**

**Unmitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 8.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 3.5000e-004        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |

**Mitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 8.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 3.5000e-004        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |

**7.0 Water Detail**

## Alta Cuvee Bus Bay - San Bernardino-South Coast County, Winter

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**Alta Cuvee Bus Bay**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size | Metric   | Lot Acreage | Floor Surface Area | Population |
|------------------------|------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 1.00 | 1000sqft | 0.02        | 1,000.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

Project Characteristics - CO2 Intensity from 2020 RCMU Power Content Label: 630 lbCO2e/MWh (RCMU, 2021)

Land Use - Approximately 850 square feet + buffer.

Construction Phase - Schedule Provided

Off-road Equipment - Other material handling = concrete truck/pump.

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Trips and VMT - Modeling accounts for 1 haul load/day during demolition.  
Assume 10 workers/day throughout.

Demolition -

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 BMPs: watering thrice daily.

Clean Fleet BMP: Tier 4 Equipment > 25 hp

| Table Name              | Column Name                | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 3.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 4.00      |



Alta Cuvée Bus Bay - San Bernardino-South Coast County, Summer

|                           |                            |           |              |
|---------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase      | NumDays                    | 100.00    | 15.00        |
| tblConstructionPhase      | NumDays                    | 10.00     | 12.00        |
| tblConstructionPhase      | NumDays                    | 5.00      | 3.00         |
| tblConstructionPhase      | NumDays                    | 1.00      | 24.00        |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44    | 627.49       |
| tblTripsAndVMT            | HaulingTripNumber          | 2.00      | 20.00        |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 4.00         |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 2.00         |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

|                |                  |       |       |
|----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00  | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 20.00 |

**2.0 Emissions Summary**

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Alta Cuvée Bus Bay - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |               |                    |
| Area         | 4.4000e-004        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |               | 2.3000e-004        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             |
| <b>Total</b> | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> |

**Mitigated Operational**

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |               |                    |
| Area         | 4.4000e-004        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |               | 2.3000e-004        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             |
| <b>Total</b> | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 1/8/2024   | 1/20/2024 | 6             | 12       |                   |
| 2            | Site Preparation      | Site Preparation      | 1/22/2024  | 2/17/2024 | 6             | 24       |                   |
| 3            | Building Construction | Building Construction | 2/19/2024  | 3/6/2024  | 6             | 15       |                   |
| 4            | Paving                | Paving                | 3/7/2024   | 3/9/2024  | 6             | 3        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Alta Cuvée Bus Bay - San Bernardino-South Coast County, Summer

| Phase Name            | Offroad Equipment Type            | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|-----------------------------------|--------|-------------|-------------|-------------|
| Demolition            | Air Compressors                   | 1      | 4.00        | 78          | 0.48        |
| Demolition            | Concrete/Industrial Saws          | 1      | 2.00        | 81          | 0.73        |
| Demolition            | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Demolition            | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Demolition            | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Site Preparation      | Plate Compactors                  | 1      | 4.00        | 8           | 0.43        |
| Site Preparation      | Rubber Tired Dozers               | 1      | 1.00        | 247         | 0.40        |
| Site Preparation      | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Site Preparation      | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Site Preparation      | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Building Construction | Other Material Handling Equipment | 1      | 6.00        | 168         | 0.40        |
| Building Construction | Rough Terrain Forklifts           | 1      | 6.00        | 100         | 0.40        |
| Building Construction | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Building Construction | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Building Construction | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Paving                | Cement and Mortar Mixers          | 2      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                            | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                           | 1      | 7.00        | 80          | 0.38        |
| Paving                | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Paving                | Tractors/Loaders/Backhoes         | 1      | 7.00        | 97          | 0.37        |

**Trips and VMT**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 20.00              | 0.00               | 20.00               | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 6                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 6                       | 20.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 7                       | 20.00              | 2.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 2024**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                    |               |               | lb/day   |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0357        | 0.0000        | 0.0357        | 5.4000e-003        | 0.0000        | 5.4000e-003   |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.4681        | 3.8410        | 5.4364        | 8.8300e-003        |               | 0.1660        | 0.1660        |                    | 0.1604        | 0.1604        |          | 811.1758        | 811.1758        | 0.1497        |     | 814.9181        |
| <b>Total</b>  | <b>0.4681</b> | <b>3.8410</b> | <b>5.4364</b> | <b>8.8300e-003</b> | <b>0.0357</b> | <b>0.1660</b> | <b>0.2016</b> | <b>5.4000e-003</b> | <b>0.1604</b> | <b>0.1658</b> |          | <b>811.1758</b> | <b>811.1758</b> | <b>0.1497</b> |     | <b>814.9181</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 6.5000e-003   | 0.2338        | 0.0508        | 1.2300e-003        | 0.0292        | 4.1000e-004        | 0.0296        | 8.0000e-003    | 3.9000e-004        | 8.3900e-003   |          | 131.0118        | 131.0118        | 6.0800e-003   |     | 131.1639        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003   |     | 196.5213        |
| <b>Total</b> | <b>0.0900</b> | <b>0.2799</b> | <b>0.7021</b> | <b>3.2000e-003</b> | <b>0.2527</b> | <b>1.7500e-003</b> | <b>0.2545</b> | <b>0.0673</b>  | <b>1.6200e-003</b> | <b>0.0689</b> |          | <b>327.4190</b> | <b>327.4190</b> | <b>0.0106</b> |     | <b>327.6852</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                    |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0139        | 0.0000        | 0.0139        | 2.1100e-003        | 0.0000        | 2.1100e-003   |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.2168        | 1.8676        | 5.7219        | 8.8300e-003        |               | 0.0390        | 0.0390        |                    | 0.0390        | 0.0390        | 0.0000        | 811.1758        | 811.1758        | 0.1497        |     | 814.9181        |
| <b>Total</b>  | <b>0.2168</b> | <b>1.8676</b> | <b>5.7219</b> | <b>8.8300e-003</b> | <b>0.0139</b> | <b>0.0390</b> | <b>0.0529</b> | <b>2.1100e-003</b> | <b>0.0390</b> | <b>0.0411</b> | <b>0.0000</b> | <b>811.1758</b> | <b>811.1758</b> | <b>0.1497</b> |     | <b>814.9181</b> |



Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 6.5000e-003   | 0.2338        | 0.0508        | 1.2300e-003        | 0.0292        | 4.1000e-004        | 0.0296        | 8.0000e-003    | 3.9000e-004        | 8.3900e-003   |          | 131.0118        | 131.0118        | 6.0800e-003   |     | 131.1639        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003   |     | 196.5213        |
| <b>Total</b> | <b>0.0900</b> | <b>0.2799</b> | <b>0.7021</b> | <b>3.2000e-003</b> | <b>0.2527</b> | <b>1.7500e-003</b> | <b>0.2545</b> | <b>0.0673</b>  | <b>1.6200e-003</b> | <b>0.0689</b> |          | <b>327.4190</b> | <b>327.4190</b> | <b>0.0106</b> |     | <b>327.6852</b> |

**3.3 Site Preparation - 2024**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.3763        | 3.4415        | 3.8137        | 6.5900e-003        |               | 0.1427        | 0.1427        |                | 0.1340        | 0.1340        |          | 595.9899        | 595.9899        | 0.1673        |     | 600.1727        |
| <b>Total</b>  | <b>0.3763</b> | <b>3.4415</b> | <b>3.8137</b> | <b>6.5900e-003</b> | <b>0.7528</b> | <b>0.1427</b> | <b>0.8955</b> | <b>0.4138</b>  | <b>0.1340</b> | <b>0.5477</b> |          | <b>595.9899</b> | <b>595.9899</b> | <b>0.1673</b> |     | <b>600.1727</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003        |     | 196.5213        |
| <b>Total</b> | <b>0.0835</b> | <b>0.0461</b> | <b>0.6513</b> | <b>1.9700e-003</b> | <b>0.2236</b> | <b>1.3400e-003</b> | <b>0.2249</b> | <b>0.0593</b>  | <b>1.2300e-003</b> | <b>0.0605</b> |          | <b>196.4072</b> | <b>196.4072</b> | <b>4.5600e-003</b> |     | <b>196.5213</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.2936        | 0.0000        | 0.2936        | 0.1614         | 0.0000        | 0.1614        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.2145        | 1.8962        | 4.1201        | 6.5900e-003        |               | 0.0409        | 0.0409        |                | 0.0409        | 0.0409        | 0.0000        | 595.9899        | 595.9899        | 0.1673        |     | 600.1727        |
| <b>Total</b>  | <b>0.2145</b> | <b>1.8962</b> | <b>4.1201</b> | <b>6.5900e-003</b> | <b>0.2936</b> | <b>0.0409</b> | <b>0.3345</b> | <b>0.1614</b>  | <b>0.0409</b> | <b>0.2023</b> | <b>0.0000</b> | <b>595.9899</b> | <b>595.9899</b> | <b>0.1673</b> |     | <b>600.1727</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003        |     | 196.5213        |
| <b>Total</b> | <b>0.0835</b> | <b>0.0461</b> | <b>0.6513</b> | <b>1.9700e-003</b> | <b>0.2236</b> | <b>1.3400e-003</b> | <b>0.2249</b> | <b>0.0593</b>  | <b>1.2300e-003</b> | <b>0.0605</b> |          | <b>196.4072</b> | <b>196.4072</b> | <b>4.5600e-003</b> |     | <b>196.5213</b> |

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.5314        | 4.8941        | 7.8616        | 0.0122        |               | 0.2067        | 0.2067        |                | 0.1924        | 0.1924        |          | 1,145.4373        | 1,145.4373        | 0.3488        |     | 1,154.1573        |
| <b>Total</b> | <b>0.5314</b> | <b>4.8941</b> | <b>7.8616</b> | <b>0.0122</b> |               | <b>0.2067</b> | <b>0.2067</b> |                | <b>0.1924</b> | <b>0.1924</b> |          | <b>1,145.4373</b> | <b>1,145.4373</b> | <b>0.3488</b> |     | <b>1,154.1573</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 7.1800e-003   | 0.2846        | 0.0563        | 1.0400e-003        | 0.0256        | 2.7000e-004        | 0.0259        | 7.3800e-003    | 2.6000e-004        | 7.6400e-003   |          | 109.6476        | 109.6476        | 5.5900e-003   |     | 109.7873        |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003   |     | 196.5213        |
| <b>Total</b> | <b>0.0907</b> | <b>0.3307</b> | <b>0.7075</b> | <b>3.0100e-003</b> | <b>0.2492</b> | <b>1.6100e-003</b> | <b>0.2508</b> | <b>0.0667</b>  | <b>1.4900e-003</b> | <b>0.0682</b> |          | <b>306.0548</b> | <b>306.0548</b> | <b>0.0102</b> |     | <b>306.3086</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.2665        | 2.0826        | 8.7823        | 0.0122        |               | 0.0456        | 0.0456        |                | 0.0456        | 0.0456        | 0.0000        | 1,145.4373        | 1,145.4373        | 0.3488        |     | 1,154.1573        |
| <b>Total</b> | <b>0.2665</b> | <b>2.0826</b> | <b>8.7823</b> | <b>0.0122</b> |               | <b>0.0456</b> | <b>0.0456</b> |                | <b>0.0456</b> | <b>0.0456</b> | <b>0.0000</b> | <b>1,145.4373</b> | <b>1,145.4373</b> | <b>0.3488</b> |     | <b>1,154.1573</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 7.1800e-003   | 0.2846        | 0.0563        | 1.0400e-003        | 0.0256        | 2.7000e-004        | 0.0259        | 7.3800e-003    | 2.6000e-004        | 7.6400e-003   |          | 109.6476        | 109.6476        | 5.5900e-003   |     | 109.7873        |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003   |     | 196.5213        |
| <b>Total</b> | <b>0.0907</b> | <b>0.3307</b> | <b>0.7075</b> | <b>3.0100e-003</b> | <b>0.2492</b> | <b>1.6100e-003</b> | <b>0.2508</b> | <b>0.0667</b>  | <b>1.4900e-003</b> | <b>0.0682</b> |          | <b>306.0548</b> | <b>306.0548</b> | <b>0.0102</b> |     | <b>306.3086</b> |

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.6169        | 5.3962        | 7.1709        | 0.0116        |               | 0.2493        | 0.2493        |                | 0.2333        | 0.2333        |          | 1,059.0919        | 1,059.0919        | 0.3042        |     | 1,066.6977        |
| Paving       | 0.0175        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.6344</b> | <b>5.3962</b> | <b>7.1709</b> | <b>0.0116</b> |               | <b>0.2493</b> | <b>0.2493</b> |                | <b>0.2333</b> | <b>0.2333</b> |          | <b>1,059.0919</b> | <b>1,059.0919</b> | <b>0.3042</b> |     | <b>1,066.6977</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 3.5900e-003   | 0.1423        | 0.0281        | 5.2000e-004        | 0.0128        | 1.4000e-004        | 0.0130        | 3.6900e-003    | 1.3000e-004        | 3.8200e-003   |          | 54.8238         | 54.8238         | 2.7900e-003        |     | 54.8937         |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003        |     | 196.5213        |
| <b>Total</b> | <b>0.0871</b> | <b>0.1884</b> | <b>0.6794</b> | <b>2.4900e-003</b> | <b>0.2364</b> | <b>1.4800e-003</b> | <b>0.2378</b> | <b>0.0630</b>  | <b>1.3600e-003</b> | <b>0.0643</b> |          | <b>251.2310</b> | <b>251.2310</b> | <b>7.3500e-003</b> |     | <b>251.4150</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3148        | 1.7562        | 7.9674        | 0.0116        |               | 0.0643        | 0.0643        |                | 0.0643        | 0.0643        | 0.0000        | 1,059.0919        | 1,059.0919        | 0.3042        |     | 1,066.6977        |
| Paving       | 0.0175        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.3323</b> | <b>1.7562</b> | <b>7.9674</b> | <b>0.0116</b> |               | <b>0.0643</b> | <b>0.0643</b> |                | <b>0.0643</b> | <b>0.0643</b> | <b>0.0000</b> | <b>1,059.0919</b> | <b>1,059.0919</b> | <b>0.3042</b> |     | <b>1,066.6977</b> |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 3.5900e-003   | 0.1423        | 0.0281        | 5.2000e-004        | 0.0128        | 1.4000e-004        | 0.0130        | 3.6900e-003    | 1.3000e-004        | 3.8200e-003   |          | 54.8238         | 54.8238         | 2.7900e-003        |     | 54.8937         |
| Worker       | 0.0835        | 0.0461        | 0.6513        | 1.9700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2300e-003        | 0.0605        |          | 196.4072        | 196.4072        | 4.5600e-003        |     | 196.5213        |
| <b>Total</b> | <b>0.0871</b> | <b>0.1884</b> | <b>0.6794</b> | <b>2.4900e-003</b> | <b>0.2364</b> | <b>1.4800e-003</b> | <b>0.2378</b> | <b>0.0630</b>  | <b>1.3600e-003</b> | <b>0.0643</b> |          | <b>251.2310</b> | <b>251.2310</b> | <b>7.3500e-003</b> |     | <b>251.4150</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|--------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                  | 0.00                    | 0.00     | 0.00   |             |            |

4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N



Alta Cuvée Bus Bay - San Bernardino-South Coast County, Summer

**5.1 Mitigation Measures Energy**

|                        | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category               | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |        |        |
| NaturalGas Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr        | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| Other Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

Alta Cuvée Bus Bay - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

|                        | Natural Gas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr         | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| Other Asphalt Surfaces | 0               | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

|             | ROG         | NOx    | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O | CO2e        |
|-------------|-------------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|-----|-------------|
| Category    | lb/day      |        |             |        |               |              |            |                |               |             | lb/day   |             |             |        |     |             |
| Mitigated   | 4.4000e-004 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |
| Unmitigated | 4.4000e-004 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Unmitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 8.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 3.5000e-004        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |

**Mitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day             |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 8.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 3.5000e-004        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005        | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>4.4000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |

**7.0 Water Detail**

## Alta Cuvee Bus Bay - San Bernardino-South Coast County, Summer

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Annual

**Alta Cuvee Bus Bay**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size | Metric   | Lot Acreage | Floor Surface Area | Population |
|------------------------|------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 1.00 | 1000sqft | 0.02        | 1,000.00           | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 32    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 627.49                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Annual

Project Characteristics - CO2 Intensity from 2020 RCMU Power Content Label: 630 lbCO2e/MWh (RCMU, 2021)

Land Use - Approximately 850 square feet + buffer.

Construction Phase - Schedule Provided

Off-road Equipment - Other material handling = concrete truck/pump.

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Off-road Equipment - Project Inventory

Trips and VMT - Modeling accounts for 1 haul load/day during demolition.  
Assume 10 workers/day throughout.

Demolition -

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403 BMPs: watering thrice daily.

Clean Fleet BMP: Tier 4 Equipment > 25 hp

| Table Name              | Column Name                | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 8.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 3.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00          | 4.00      |

Alta Cuvee Bus Bay - San Bernardino-South Coast County, Annual

|                           |                            |           |              |
|---------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation   | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase      | NumDays                    | 100.00    | 15.00        |
| tblConstructionPhase      | NumDays                    | 10.00     | 12.00        |
| tblConstructionPhase      | NumDays                    | 5.00      | 3.00         |
| tblConstructionPhase      | NumDays                    | 1.00      | 24.00        |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblConstructionPhase      | NumDaysWeek                | 5.00      | 6.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 2.00      | 1.00         |
| tblOffRoadEquipment       | OffRoadEquipmentUnitAmount | 4.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 2.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblOffRoadEquipment       | UsageHours                 | 8.00      | 6.00         |
| tblProjectCharacteristics | CO2IntensityFactor         | 702.44    | 627.49       |
| tblTripsAndVMT            | HaulingTripNumber          | 2.00      | 20.00        |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 4.00         |
| tblTripsAndVMT            | VendorTripNumber           | 0.00      | 2.00         |

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|                |                  |       |       |
|----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 0.00  | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 20.00 |

**2.0 Emissions Summary**

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|----------|--|--|
| 1       | 1-8-2024   | 4-7-2024 | 0.1225                                       | 0.0629                                     |
|         |            | Highest  | 0.1225                                       | 0.0629                                     |

2.2 Overall Operational

Unmitigated Operational

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | tons/yr            |               |                    |               |               |               |               |                |               |               | MT/yr         |                    |                    |               |               |                    |
| Area         | 8.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0000        | 3.0000e-005        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Waste        |                    |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Water        |                    |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| <b>Total</b> | <b>8.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>3.0000e-005</b> |

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**2.2 Overall Operational**

**Mitigated Operational**

|              | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|--------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category     | tons/yr            |               |                    |               |               |               |               |                |               |               | MT/yr         |                    |                    |               |               |                    |
| Area         | 8.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0000        | 3.0000e-005        |
| Energy       | 0.0000             | 0.0000        | 0.0000             | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Waste        |                    |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Water        |                    |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| <b>Total</b> | <b>8.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>3.0000e-005</b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

**3.0 Construction Detail**

**Construction Phase**

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| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 1/8/2024   | 1/20/2024 | 6             | 12       |                   |
| 2            | Site Preparation      | Site Preparation      | 1/22/2024  | 2/17/2024 | 6             | 24       |                   |
| 3            | Building Construction | Building Construction | 2/19/2024  | 3/6/2024  | 6             | 15       |                   |
| 4            | Paving                | Paving                | 3/7/2024   | 3/9/2024  | 6             | 3        |                   |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.02**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Alta Cuvee Bus Bay - San Bernardino-South Coast County, Annual

| Phase Name            | Offroad Equipment Type            | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|-----------------------------------|--------|-------------|-------------|-------------|
| Demolition            | Air Compressors                   | 1      | 4.00        | 78          | 0.48        |
| Demolition            | Concrete/Industrial Saws          | 1      | 2.00        | 81          | 0.73        |
| Demolition            | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Demolition            | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Demolition            | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Site Preparation      | Plate Compactors                  | 1      | 4.00        | 8           | 0.43        |
| Site Preparation      | Rubber Tired Dozers               | 1      | 1.00        | 247         | 0.40        |
| Site Preparation      | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Site Preparation      | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Site Preparation      | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Building Construction | Other Material Handling Equipment | 1      | 6.00        | 168         | 0.40        |
| Building Construction | Rough Terrain Forklifts           | 1      | 6.00        | 100         | 0.40        |
| Building Construction | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Building Construction | Skid Steer Loaders                | 1      | 6.00        | 65          | 0.37        |
| Building Construction | Tractors/Loaders/Backhoes         | 1      | 6.00        | 97          | 0.37        |
| Paving                | Cement and Mortar Mixers          | 2      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                            | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                           | 1      | 7.00        | 80          | 0.38        |
| Paving                | Signal Boards                     | 2      | 8.00        | 6           | 0.82        |
| Paving                | Tractors/Loaders/Backhoes         | 1      | 7.00        | 97          | 0.37        |

**Trips and VMT**

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| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 20.00              | 0.00               | 20.00               | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 6                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 6                       | 20.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 7                       | 20.00              | 2.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 2024**

**Unmitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 2.1000e-004        | 0.0000             | 2.1000e-004        | 3.0000e-005        | 0.0000             | 3.0000e-005        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 2.8100e-003        | 0.0231        | 0.0326        | 5.0000e-005        |                    | 1.0000e-003        | 1.0000e-003        |                    | 9.6000e-004        | 9.6000e-004        | 0.0000        | 4.4153        | 4.4153        | 8.1000e-004        | 0.0000        | 4.4357        |
| <b>Total</b>  | <b>2.8100e-003</b> | <b>0.0231</b> | <b>0.0326</b> | <b>5.0000e-005</b> | <b>2.1000e-004</b> | <b>1.0000e-003</b> | <b>1.2100e-003</b> | <b>3.0000e-005</b> | <b>9.6000e-004</b> | <b>9.9000e-004</b> | <b>0.0000</b> | <b>4.4153</b> | <b>4.4153</b> | <b>8.1000e-004</b> | <b>0.0000</b> | <b>4.4357</b> |

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**3.2 Demolition - 2024**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 4.0000e-005        | 1.4200e-003        | 3.2000e-004        | 1.0000e-005        | 1.7000e-004        | 0.0000             | 1.7000e-004        | 5.0000e-005        | 0.0000             | 5.0000e-005        | 0.0000        | 0.7053        | 0.7053        | 3.0000e-005        | 0.0000        | 0.7062        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 4.6000e-004        | 3.1000e-004        | 3.3500e-003        | 1.0000e-005        | 1.3200e-003        | 1.0000e-005        | 1.3200e-003        | 3.5000e-004        | 1.0000e-005        | 3.6000e-004        | 0.0000        | 0.9802        | 0.9802        | 2.0000e-005        | 0.0000        | 0.9807        |
| <b>Total</b> | <b>5.0000e-004</b> | <b>1.7300e-003</b> | <b>3.6700e-003</b> | <b>2.0000e-005</b> | <b>1.4900e-003</b> | <b>1.0000e-005</b> | <b>1.4900e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.6855</b> | <b>1.6855</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.6869</b> |

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 8.0000e-005        | 0.0000             | 8.0000e-005        | 1.0000e-005        | 0.0000             | 1.0000e-005        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 1.3000e-003        | 0.0112        | 0.0343        | 5.0000e-005        |                    | 2.3000e-004        | 2.3000e-004        |                    | 2.3000e-004        | 2.3000e-004        | 0.0000        | 4.4153        | 4.4153        | 8.1000e-004        | 0.0000        | 4.4357        |
| <b>Total</b>  | <b>1.3000e-003</b> | <b>0.0112</b> | <b>0.0343</b> | <b>5.0000e-005</b> | <b>8.0000e-005</b> | <b>2.3000e-004</b> | <b>3.1000e-004</b> | <b>1.0000e-005</b> | <b>2.3000e-004</b> | <b>2.4000e-004</b> | <b>0.0000</b> | <b>4.4153</b> | <b>4.4153</b> | <b>8.1000e-004</b> | <b>0.0000</b> | <b>4.4357</b> |

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**3.2 Demolition - 2024**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 4.0000e-005        | 1.4200e-003        | 3.2000e-004        | 1.0000e-005        | 1.7000e-004        | 0.0000             | 1.7000e-004        | 5.0000e-005        | 0.0000             | 5.0000e-005        | 0.0000        | 0.7053        | 0.7053        | 3.0000e-005        | 0.0000        | 0.7062        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 4.6000e-004        | 3.1000e-004        | 3.3500e-003        | 1.0000e-005        | 1.3200e-003        | 1.0000e-005        | 1.3200e-003        | 3.5000e-004        | 1.0000e-005        | 3.6000e-004        | 0.0000        | 0.9802        | 0.9802        | 2.0000e-005        | 0.0000        | 0.9807        |
| <b>Total</b> | <b>5.0000e-004</b> | <b>1.7300e-003</b> | <b>3.6700e-003</b> | <b>2.0000e-005</b> | <b>1.4900e-003</b> | <b>1.0000e-005</b> | <b>1.4900e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.6855</b> | <b>1.6855</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.6869</b> |

**3.3 Site Preparation - 2024**

**Unmitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |                    |                    |               |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 9.0300e-003        | 0.0000             | 9.0300e-003   | 4.9700e-003        | 0.0000             | 4.9700e-003        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 4.5200e-003        | 0.0413        | 0.0458        | 8.0000e-005        |                    | 1.7100e-003        | 1.7100e-003   |                    | 1.6100e-003        | 1.6100e-003        | 0.0000        | 6.4881        | 6.4881        | 1.8200e-003        | 0.0000        | 6.5336        |
| <b>Total</b>  | <b>4.5200e-003</b> | <b>0.0413</b> | <b>0.0458</b> | <b>8.0000e-005</b> | <b>9.0300e-003</b> | <b>1.7100e-003</b> | <b>0.0107</b> | <b>4.9700e-003</b> | <b>1.6100e-003</b> | <b>6.5800e-003</b> | <b>0.0000</b> | <b>6.4881</b> | <b>6.4881</b> | <b>1.8200e-003</b> | <b>0.0000</b> | <b>6.5336</b> |



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**3.3 Site Preparation - 2024**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 9.1000e-004        | 6.1000e-004        | 6.6900e-003        | 2.0000e-005        | 2.6300e-003        | 2.0000e-005        | 2.6500e-003        | 7.0000e-004        | 1.0000e-005        | 7.1000e-004        | 0.0000        | 1.9603        | 1.9603        | 4.0000e-005        | 0.0000        | 1.9614        |
| <b>Total</b> | <b>9.1000e-004</b> | <b>6.1000e-004</b> | <b>6.6900e-003</b> | <b>2.0000e-005</b> | <b>2.6300e-003</b> | <b>2.0000e-005</b> | <b>2.6500e-003</b> | <b>7.0000e-004</b> | <b>1.0000e-005</b> | <b>7.1000e-004</b> | <b>0.0000</b> | <b>1.9603</b> | <b>1.9603</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.9614</b> |

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 3.5200e-003        | 0.0000             | 3.5200e-003        | 1.9400e-003        | 0.0000             | 1.9400e-003        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 2.5700e-003        | 0.0228        | 0.0494        | 8.0000e-005        |                    | 4.9000e-004        | 4.9000e-004        |                    | 4.9000e-004        | 4.9000e-004        | 0.0000        | 6.4881        | 6.4881        | 1.8200e-003        | 0.0000        | 6.5336        |
| <b>Total</b>  | <b>2.5700e-003</b> | <b>0.0228</b> | <b>0.0494</b> | <b>8.0000e-005</b> | <b>3.5200e-003</b> | <b>4.9000e-004</b> | <b>4.0100e-003</b> | <b>1.9400e-003</b> | <b>4.9000e-004</b> | <b>2.4300e-003</b> | <b>0.0000</b> | <b>6.4881</b> | <b>6.4881</b> | <b>1.8200e-003</b> | <b>0.0000</b> | <b>6.5336</b> |

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**3.3 Site Preparation - 2024**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 9.1000e-004        | 6.1000e-004        | 6.6900e-003        | 2.0000e-005        | 2.6300e-003        | 2.0000e-005        | 2.6500e-003        | 7.0000e-004        | 1.0000e-005        | 7.1000e-004        | 0.0000        | 1.9603        | 1.9603        | 4.0000e-005        | 0.0000        | 1.9614        |
| <b>Total</b> | <b>9.1000e-004</b> | <b>6.1000e-004</b> | <b>6.6900e-003</b> | <b>2.0000e-005</b> | <b>2.6300e-003</b> | <b>2.0000e-005</b> | <b>2.6500e-003</b> | <b>7.0000e-004</b> | <b>1.0000e-005</b> | <b>7.1000e-004</b> | <b>0.0000</b> | <b>1.9603</b> | <b>1.9603</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.9614</b> |

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 3.9900e-003        | 0.0367        | 0.0590        | 9.0000e-005        |               | 1.5500e-003        | 1.5500e-003        |                | 1.4400e-003        | 1.4400e-003        | 0.0000        | 7.7934        | 7.7934        | 2.3700e-003        | 0.0000        | 7.8528        |
| <b>Total</b> | <b>3.9900e-003</b> | <b>0.0367</b> | <b>0.0590</b> | <b>9.0000e-005</b> |               | <b>1.5500e-003</b> | <b>1.5500e-003</b> |                | <b>1.4400e-003</b> | <b>1.4400e-003</b> | <b>0.0000</b> | <b>7.7934</b> | <b>7.7934</b> | <b>2.3700e-003</b> | <b>0.0000</b> | <b>7.8528</b> |

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**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 6.0000e-005        | 2.1400e-003        | 4.6000e-004        | 1.0000e-005        | 1.9000e-004        | 0.0000             | 1.9000e-004        | 5.0000e-005        | 0.0000             | 6.0000e-005        | 0.0000        | 0.7341        | 0.7341        | 4.0000e-005        | 0.0000        | 0.7351        |
| Worker       | 5.7000e-004        | 3.8000e-004        | 4.1800e-003        | 1.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6500e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.2252        | 1.2252        | 3.0000e-005        | 0.0000        | 1.2259        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>2.5200e-003</b> | <b>4.6400e-003</b> | <b>2.0000e-005</b> | <b>1.8300e-003</b> | <b>1.0000e-005</b> | <b>1.8400e-003</b> | <b>4.9000e-004</b> | <b>1.0000e-005</b> | <b>5.1000e-004</b> | <b>0.0000</b> | <b>1.9593</b> | <b>1.9593</b> | <b>7.0000e-005</b> | <b>0.0000</b> | <b>1.9610</b> |

**Mitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 2.0000e-003        | 0.0156        | 0.0659        | 9.0000e-005        |               | 3.4000e-004        | 3.4000e-004        |                | 3.4000e-004        | 3.4000e-004        | 0.0000        | 7.7934        | 7.7934        | 2.3700e-003        | 0.0000        | 7.8527        |
| <b>Total</b> | <b>2.0000e-003</b> | <b>0.0156</b> | <b>0.0659</b> | <b>9.0000e-005</b> |               | <b>3.4000e-004</b> | <b>3.4000e-004</b> |                | <b>3.4000e-004</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>7.7934</b> | <b>7.7934</b> | <b>2.3700e-003</b> | <b>0.0000</b> | <b>7.8527</b> |

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**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 6.0000e-005        | 2.1400e-003        | 4.6000e-004        | 1.0000e-005        | 1.9000e-004        | 0.0000             | 1.9000e-004        | 5.0000e-005        | 0.0000             | 6.0000e-005        | 0.0000        | 0.7341        | 0.7341        | 4.0000e-005        | 0.0000        | 0.7351        |
| Worker       | 5.7000e-004        | 3.8000e-004        | 4.1800e-003        | 1.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6500e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.2252        | 1.2252        | 3.0000e-005        | 0.0000        | 1.2259        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>2.5200e-003</b> | <b>4.6400e-003</b> | <b>2.0000e-005</b> | <b>1.8300e-003</b> | <b>1.0000e-005</b> | <b>1.8400e-003</b> | <b>4.9000e-004</b> | <b>1.0000e-005</b> | <b>5.1000e-004</b> | <b>0.0000</b> | <b>1.9593</b> | <b>1.9593</b> | <b>7.0000e-005</b> | <b>0.0000</b> | <b>1.9610</b> |

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 9.3000e-004        | 8.0900e-003        | 0.0108        | 2.0000e-005        |               | 3.7000e-004        | 3.7000e-004        |                | 3.5000e-004        | 3.5000e-004        | 0.0000        | 1.4412        | 1.4412        | 4.1000e-004        | 0.0000        | 1.4515        |
| Paving       | 3.0000e-005        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| <b>Total</b> | <b>9.6000e-004</b> | <b>8.0900e-003</b> | <b>0.0108</b> | <b>2.0000e-005</b> |               | <b>3.7000e-004</b> | <b>3.7000e-004</b> |                | <b>3.5000e-004</b> | <b>3.5000e-004</b> | <b>0.0000</b> | <b>1.4412</b> | <b>1.4412</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.4515</b> |

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**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 1.0000e-005        | 2.1000e-004        | 5.0000e-005        | 0.0000        | 2.0000e-005        | 0.0000        | 2.0000e-005        | 1.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        | 0.0734        | 0.0734        | 0.0000             | 0.0000        | 0.0735        |
| Worker       | 1.1000e-004        | 8.0000e-005        | 8.4000e-004        | 0.0000        | 3.3000e-004        | 0.0000        | 3.3000e-004        | 9.0000e-005        | 0.0000        | 9.0000e-005        | 0.0000        | 0.2450        | 0.2450        | 1.0000e-005        | 0.0000        | 0.2452        |
| <b>Total</b> | <b>1.2000e-004</b> | <b>2.9000e-004</b> | <b>8.9000e-004</b> | <b>0.0000</b> | <b>3.5000e-004</b> | <b>0.0000</b> | <b>3.5000e-004</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.3185</b> | <b>0.3185</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3187</b> |

**Mitigated Construction On-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 4.7000e-004        | 2.6300e-003        | 0.0120        | 2.0000e-005        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        | 0.0000        | 1.4412        | 1.4412        | 4.1000e-004        | 0.0000        | 1.4515        |
| Paving       | 3.0000e-005        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| <b>Total</b> | <b>5.0000e-004</b> | <b>2.6300e-003</b> | <b>0.0120</b> | <b>2.0000e-005</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>1.4412</b> | <b>1.4412</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.4515</b> |

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**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 1.0000e-005        | 2.1000e-004        | 5.0000e-005        | 0.0000        | 2.0000e-005        | 0.0000        | 2.0000e-005        | 1.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        | 0.0734        | 0.0734        | 0.0000             | 0.0000        | 0.0735        |
| Worker       | 1.1000e-004        | 8.0000e-005        | 8.4000e-004        | 0.0000        | 3.3000e-004        | 0.0000        | 3.3000e-004        | 9.0000e-005        | 0.0000        | 9.0000e-005        | 0.0000        | 0.2450        | 0.2450        | 1.0000e-005        | 0.0000        | 0.2452        |
| <b>Total</b> | <b>1.2000e-004</b> | <b>2.9000e-004</b> | <b>8.9000e-004</b> | <b>0.0000</b> | <b>3.5000e-004</b> | <b>0.0000</b> | <b>3.5000e-004</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>0.3185</b> | <b>0.3185</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3187</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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|             | ROG     | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category    | tons/yr |        |        |        |               |              |            |                |               |             | MT/yr    |           |           |        |        |        |
| Mitigated   | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|--------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                  | 0.00                    | 0.00     | 0.00   |             |            |

4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.558745 | 0.035303 | 0.181800 | 0.111169 | 0.014289 | 0.004794 | 0.018611 | 0.065078 | 0.001365 | 0.001491 | 0.005725 | 0.000799 | 0.000830 |

5.0 Energy Detail

Historical Energy Use: N





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**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

|                        | Natural Gas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr         | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Other Asphalt Surfaces | 0               | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

|                        | Electricity Use | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use               | kWh/yr          | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0               | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

|                        | Electricity Use | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use               | kWh/yr          | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0               | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

|             | ROG         | NOx    | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O    | CO2e        |
|-------------|-------------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category    | tons/yr     |        |             |        |               |              |            |                |               |             | MT/yr    |             |             |        |        |             |
| Mitigated   | 8.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 3.0000e-005 |
| Unmitigated | 8.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 3.0000e-005 |

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**6.2 Area by SubCategory**

**Unmitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory           | tons/yr            |               |                    |               |               |               |               |                |               |               | MT/yr         |                    |                    |               |               |                    |
| Architectural Coating | 1.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Consumer Products     | 6.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Landscaping           | 0.0000             | 0.0000        | 1.0000e-005        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0000        | 3.0000e-005        |
| <b>Total</b>          | <b>7.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>3.0000e-005</b> |

**Mitigated**

|                       | ROG                | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory           | tons/yr            |               |                    |               |               |               |               |                |               |               | MT/yr         |                    |                    |               |               |                    |
| Architectural Coating | 1.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Consumer Products     | 6.0000e-005        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             |
| Landscaping           | 0.0000             | 0.0000        | 1.0000e-005        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0000        | 3.0000e-005        |
| <b>Total</b>          | <b>7.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0000</b> | <b>3.0000e-005</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

|             | Total CO2 | CH4    | N2O    | CO2e   |
|-------------|-----------|--------|--------|--------|
| Category    | MT/yr     |        |        |        |
| Mitigated   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

**7.2 Water by Land Use**

**Unmitigated**

|                        | Indoor/Outdoor Use | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use               | Mgal               | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0 / 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                    | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

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**7.2 Water by Land Use**

**Mitigated**

|                        | Indoor/Outdoor Use | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use               | Mgal               | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0 / 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                    | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e   |
|-------------|-----------|--------|--------|--------|
|             | MT/yr     |        |        |        |
| Mitigated   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

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**8.2 Waste by Land Use**

**Unmitigated**

|                        | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use               | tons           | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated**

|                        | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use               | tons           | MT/yr         |               |               |               |
| Other Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>           |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**9.0 Operational Offroad**

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| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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# **ATTACHMENT B**

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## Energy Calculations



**Construction Activity Energy Calculations**

**Transportation Fuels Consumption**

|                         | <u>Fuel Type</u> | <u>Emissions (MTCO2)</u> | <u>Emissions (kgCO2)</u> | <u>Conversion (kgCO2/gal)</u> | <u>Total Gallons</u> |                 |
|-------------------------|------------------|--------------------------|--------------------------|-------------------------------|----------------------|-----------------|
| <b>Equipment</b>        | Diesel           | 1,265.7                  | 1,265,656.6              | 10.21                         | <b>123,963</b>       | <b>Diesel</b>   |
| <b>Hauling + Vendor</b> | Diesel           | 814.3                    | 814,250.4                | 10.21                         | <b>79,751</b>        | <b>Diesel</b>   |
| <b>Worker</b>           | Gasoline         | 856.0                    | 856,027.3                | 8.78                          | <b>97,498</b>        | <b>Gasoline</b> |
|                         |                  |                          |                          |                               | <b>203,714</b>       | <b>Diesel</b>   |

| Year | CALEEMOD Phase                      | Source | Metric Tons | KG       |
|------|-------------------------------------|--------|-------------|----------|
|      |                                     |        | CO2         | CO2      |
| 2022 | Demo                                | E      | 10.9785     | 10978.5  |
| 2022 | Demo                                | H      |             | 0        |
| 2022 | Demo                                | V      |             | 0        |
| 2022 | Demo                                | W      | 2.1051      | 2105.1   |
| 2022 | Grading - East Building             | E      | 45.0454     | 45045.4  |
| 2022 | Grading - East Building             | H      |             | 0        |
| 2022 | Grading - East Building             | V      |             | 0        |
| 2022 | Grading - East Building             | W      | 4.2102      | 4210.2   |
| 2022 | Trenching/Utilities - East Building | E      | 40.3857     | 40385.7  |
| 2022 | Trenching/Utilities - East Building | H      | 158.122     | 158122   |
| 2022 | Trenching/Utilities - East Building | V      |             | 0        |
| 2022 | Trenching/Utilities - East Building | W      | 6.3152      | 6315.2   |
| 2022 | Construction - East Building        | E      | 173.49      | 173490   |
| 2022 | Construction - East Building        | H      |             | 0        |
| 2022 | Construction - East Building        | V      | 87.6593     | 87659.3  |
| 2022 | Construction - East Building        | W      | 152.6187    | 152618.7 |
| 2023 | Construction - East Building        | E      | 311.0993    | 311099.3 |
| 2023 | Construction - East Building        | H      |             | 0        |
| 2023 | Construction - East Building        | V      | 152.8593    | 152859.3 |
| 2023 | Construction - East Building        | W      | 263.384     | 263384   |
| 2024 | Construction - East Building        | E      | 47.8585     | 47858.5  |
| 2024 | Construction - East Building        | H      |             | 0        |
| 2024 | Construction - East Building        | V      | 23.4906     | 23490.6  |
| 2024 | Construction - East Building        | W      | 39.2062     | 39206.2  |
| 2022 | Grading - West Building             | E      | 33.7841     | 33784.1  |
| 2022 | Grading - West Building             | H      |             | 0        |
| 2022 | Grading - West Building             | V      |             | 0        |
| 2022 | Grading - West Building             | W      | 3.1576      | 3157.6   |
| 2022 | Trenching/Utilities - West Building | E      | 26.9238     | 26923.8  |
| 2022 | Trenching/Utilities - West Building | H      | 105.4147    | 105414.7 |
| 2022 | Trenching/Utilities - West Building | V      |             | 0        |
| 2022 | Trenching/Utilities - West Building | W      | 4.2102      | 4210.2   |
| 2022 | Construction - West Building        | E      | 5.2079      | 5207.9   |
| 2022 | Construction - West Building        | H      |             | 0        |
| 2022 | Construction - West Building        | V      | 3.0227      | 3022.7   |
| 2022 | Construction - West Building        | W      | 5.2627      | 5262.7   |
| 2023 | Construction - West Building        | E      | 270.825     | 270825   |
| 2023 | Construction - West Building        | H      |             | 0        |
| 2023 | Construction - West Building        | V      | 152.8593    | 152859.3 |
| 2023 | Construction - West Building        | W      | 263.384     | 263384   |
| 2024 | Construction - West Building        | E      | 52.0781     | 52078.1  |
| 2024 | Construction - West Building        | H      |             | 0        |
| 2024 | Construction - West Building        | V      | 29.3632     | 29363.2  |
| 2024 | Construction - West Building        | W      | 49.0077     | 49007.7  |
| 2023 | Paving - East Building              | E      | 108.145     | 108145   |
| 2023 | Paving - East Building              | H      |             | 0        |
| 2023 | Paving - East Building              | V      | 52.9128     | 52912.8  |
| 2023 | Paving - East Building              | W      | 18.2343     | 18234.3  |
| 2023 | Architectural Coatings - East       | E      | 11.7843     | 11784.3  |
| 2023 | Architectural Coatings - East       | H      |             | 0        |
| 2023 | Architectural Coatings - East       | V      |             | 0        |

**Construction Activity Energy Calculations**  
**Transportation Fuels Consumption**

| Year | CALEEMOD<br>Phase             | Source | Metric Tons | KG      |
|------|-------------------------------|--------|-------------|---------|
|      |                               |        | CO2         | CO2     |
| 2023 | Architectural Coatings - East | W      | 12.1562     | 12156.2 |
| 2023 | Paving - West Building        | E      | 96.1288     | 96128.8 |
| 2023 | Paving - West Building        | H      |             | 0       |
| 2023 | Paving - West Building        | V      | 47.0336     | 47033.6 |
| 2023 | Paving - West Building        | W      | 16.2083     | 16208.3 |
| 2023 | Architectural Coatings - West | E      | 11.7842     | 11784.2 |
| 2023 | Architectural Coatings - West | H      |             | 0       |
| 2023 | Architectural Coatings - West | V      |             | 0       |
| 2023 | Architectural Coatings - West | W      | 12.1562     | 12156.2 |
| 2024 | Bus Bay - Demo                | E      | 4.4153      | 4415.3  |
| 2024 | Bus Bay - Demo                | H      | 0.7053      | 705.3   |
| 2024 | Bus Bay - Demo                | V      |             | 0       |
| 2024 | Bus Bay - Demo                | W      | 0.9802      | 980.2   |
| 2024 | Bus Bay - Site Prep           | E      | 6.4881      | 6488.1  |
| 2024 | Bus Bay - Site Prep           | H      |             | 0       |
| 2024 | Bus Bay - Site Prep           | V      |             | 0       |
| 2024 | Bus Bay - Site Prep           | W      | 1.9603      | 1960.3  |
| 2024 | Bus Bay - Construction        | E      | 7.7934      | 7793.4  |
| 2024 | Bus Bay - Construction        | H      |             | 0       |
| 2024 | Bus Bay - Construction        | V      | 0.7341      | 734.1   |
| 2024 | Bus Bay - Construction        | W      | 1.2252      | 1225.2  |
| 2024 | Bus Bay - Paving              | E      | 1.4412      | 1441.2  |
| 2024 | Bus Bay - Paving              | H      |             | 0       |
| 2024 | Bus Bay - Paving              | V      | 0.0735      | 73.5    |
| 2024 | Bus Bay - Paving              | W      | 0.245       | 245     |

# **ATTACHMENT C**

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## Noise Analysis

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

6 January 2022

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

1/6/2022 4:26:04 PM

CASE:

Alta Cuvee Mixed  
Use\_Haul Trucks

ORGANIZATION:

Terry A. Hayes Associates Inc.

UNITS:

English

ANALYSIS BY:

Kieran Bartholow

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

| Receiver  |     |             |                         | Modeled Traffic Noise Levels |                       |                        |                       |                      |  |
|---|-----|-------------|-------------------------|------------------------------|-----------------------|------------------------|-----------------------|----------------------|--|
| Name  | No. | Nb.<br>R.R. | Existing<br>LAeq<br>dBA | LAeq                         |                       | Increase over Existing |                       | Type<br>of<br>Impact |  |
|   |     |             |                         | Calc.                        | Absolute<br>Criterion | Calc.                  | Relative<br>Criterion |                      |  |
|   |     |             |                         | dBA                          | dBA                   | dBA                    | dBA                   |                      |  |
| Etiwanda Ave. between Foothill Blvd. and Garcia Dr.       | 1   | 1           | ---                     | 69.6                         | 0.0                   | ---                    | ---                   | Sound Level          |  |
| Foothill Blvd. between Etiwanda Ave. and Illex St.        | 2   | 1           | ---                     | 70.6                         | 0.0                   | ---                    | ---                   | Sound Level          |  |
| Foothill Blvd. between Sacred Heart Pl. and Etiwanda Ave. | 3   | 1           | ---                     | 72.1                         | 0.0                   | ---                    | ---                   | Sound Level          |  |
| Etiwanda Ave. between Arrow Route and Foothill Blvd.      | 4   | 1           | ---                     | 68.3                         | 0.0                   | ---                    | ---                   | Sound Level          |  |