



*An Employee-Owned Company*

June 17, 2026

Mr. Joe DeHoyos  
Project Manager  
Z Global  
750 W. Main Street  
El Centro, CA 92243

Reference: Greenhouse Gas Analysis for the Rio Vista Apartments Project  
(RECON Number 10631)

Dear Mr. DeHoyos:

The purpose of this letter report is to assess potential greenhouse gas (GHG) impacts associated with construction and operation of the Rio Vista Apartments Project (project). As discussed in this analysis, the project would not make a cumulatively considerable contribution to total GHG emissions in Imperial County or California. Additionally, the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs, and impacts would be less than significant.

## **1.0 Project Description**

The project is located in the northwestern portion of the City of Brawley (City) sphere of influence in Imperial County, California. The 7.87-acre project area consists of five parcels (Assessor's Parcel Numbers 046-050-016, 046-050-030, 046-050-028, 046-050-039, and 046-050-038) bounded by West River Road<sup>1</sup> to the south, North Rio Vista Avenue and a single-family residential property to the east, Pat Williams Park to the west, and vacant open space to the north. The project area is currently developed with two single-family residences, ancillary structures, small-animal husbandry pens, and equestrian training related facilities; all would be demolished as part of the project. Figure 1 shows the regional location. Figure 2 shows an aerial photograph of the project site and vicinity.

The project would construct a 133-unit apartment complex consisting of five separate buildings. The project would also construct a 4,400-square-foot clubhouse with a swimming pool, three green spaces, and a sewer lift station. The project would also provide a total of 278 surface parking spaces. Access to the project site would be provided via a driveway connection to West River Road. The project would dedicate 0.36 acres of right-of-way (ROW) to West River Road and dedicate 0.17 acres of ROW to North Rio Vista Avenue. Off-site improvements would consist of extending an existing road through Pat Williams Park that would provide fire access from West River Road to the northwest corner of the project site. This roadway extension would total 0.24 acres. Figure 3 shows the proposed site plan.

A portion of the project site is currently designated as an Urban Area in the Imperial County's (County) General Plan and is zoned A-2-U (General Agricultural). The portion of the project site that is located within the City is designated as Rural Residential in the City's General Plan and is zoned R-E (Residential Estate). The project site would be annexed

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<sup>1</sup> Note that West River Road becomes West River Drive east of the intersection with North Rio Vista Avenue.

into the City and would require a General Plan Amendment to designate the entire site as Residential Medium Density and a Zoning Amendment to zone the site as R-3 (Residential Medium Density).

## 2.0 Environmental Setting

### 2.1 State GHG Inventory

The California Air Resources Board (CARB) performs statewide GHG inventories. The inventory is divided into nine broad sectors of economic activity: agriculture, commercial, electricity generation, forestry, high global warming potential (GWP) emitters, industrial, recycling and waste, residential, and transportation. Emissions are quantified in million metric tons of carbon dioxide equivalent (MMT CO<sub>2</sub>E). Table 1 shows the estimated statewide GHG emissions for the years 1990, 2005, 2012, and 2018. Although annual GHG inventory data is available for years 2000 through 2023, the years 1990, 2005, 2012, and 2018 are highlighted in Table 1 because 1990 is the baseline year for established reduction targets, and 2005, 2012, and 2018 correspond to the same years for which inventory data for the region is available.

| Table 1<br>California GHG Emissions by Sector                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Sector                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1990 <sup>1</sup> Emissions<br>in MMT CO <sub>2</sub> E<br>(% total) <sup>2</sup> | 2005 <sup>3</sup> Emissions<br>in MMT CO <sub>2</sub> E<br>(% total) <sup>2</sup> | 2012 <sup>3</sup> Emissions<br>in MMT CO <sub>2</sub> E<br>(% total) <sup>2</sup> | 2018 <sup>3</sup> Emissions<br>in MMT CO <sub>2</sub> E<br>(% total) <sup>2</sup> |
| Electricity Generation                                                                                                                                                                                                                                                                                                                                                                                                                                             | 110.5 (25.7%)                                                                     | 108.1 (22.6%)                                                                     | 99.1 (22.8%)                                                                      | 65.1 (15.8%)                                                                      |
| Transportation                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 150.6 (35.0%)                                                                     | 187.6 (39.2%)                                                                     | 161.8 (37.2%)                                                                     | 169.6 (41.3%)                                                                     |
| Industrial                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.3 (24.4%)                                                                     | 102.3 (21.4%)                                                                     | 91.0 (20.9%)                                                                      | 93.7 (22.8%)                                                                      |
| Commercial                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 14.4 (3.4%)                                                                       | 16.1 (3.4%)                                                                       | 19.6 (4.5%)                                                                       | 22.3 (5.4%)                                                                       |
| Residential                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 29.7 (6.9%)                                                                       | 30.3 (7.0%)                                                                       | 27.9 (6.4%)                                                                       | 28.1 (6.8%)                                                                       |
| Agriculture & Forestry                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18.9 (4.4%)                                                                       | 33.7 (7.0%)                                                                       | 35.2 (8.1%)                                                                       | 32.2 (7.8%)                                                                       |
| Not Specified                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.3 (0.3%)                                                                        | --                                                                                | --                                                                                | --                                                                                |
| <b>Total<sup>4</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>430.7</b>                                                                      | <b>478.1</b>                                                                      | <b>434.6</b>                                                                      | <b>411.0</b>                                                                      |
| <sup>1</sup> 1990 data was obtained from the CARB 2007 source and are based on Intergovernmental Panel on Climate Change (IPCC) fourth assessment report GWPs.<br><sup>2</sup> Percentages may not total 100 due to rounding.<br><sup>3</sup> 2005, 2012, and 2018 data was retrieved from the CARB 2022a source and are based on IPCC fourth assessment report GWPs.<br><sup>4</sup> Totals may vary due to independent rounding.<br>SOURCE: CARB 2007 and 2022a. |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

As shown in Table 1, statewide GHG source emissions totaled approximately 431 MMT CO<sub>2</sub>E in 1990, 478 MMT CO<sub>2</sub>E in 2005, 435 MMT CO<sub>2</sub>E in 2012, and 411 MMT CO<sub>2</sub>E in 2018. Many factors affect year-to-year changes in GHG emissions, including economic activity, demographic influences, environmental conditions such as drought, and the impact of regulatory efforts to control GHG emissions. As shown in Table 1, transportation-related emissions consistently contribute to the most GHG emissions.

### 2.2 Regional GHG Inventory

The County Regional Climate Action Plan (Regional CAP) was adopted in June 2021 (Imperial County 2021). The Regional CAP inventoried existing emissions within the unincorporated County and each of its incorporated cities.

The results of the countywide emissions inventories are summarized in Table 2. As shown in Table 2, agricultural-related GHG emissions contributed the most countywide.

| Emissions Sector          | 2005                              |             | 2012                              |             | 2018                              |             |                    |
|---------------------------|-----------------------------------|-------------|-----------------------------------|-------------|-----------------------------------|-------------|--------------------|
|                           | MT CO <sub>2</sub> E <sup>1</sup> | % Total     | MT CO <sub>2</sub> E <sup>1</sup> | % Total     | MT CO <sub>2</sub> E <sup>1</sup> | % Total     | % Change from 2005 |
| Transportation            | 656,655                           | 16.3%       | 650,729                           | 17.3%       | 748,111                           | 19.7%       | +13.9%             |
| Energy                    | 1,006,987                         | 25.1%       | 757,037                           | 20.2%       | 484,863                           | 12.8%       | -51.9%             |
| Water                     | 28,114                            | 0.7%        | 30,158                            | 0.8%        | 34,291                            | 0.9%        | +22.0%             |
| Solid Waste               | 218,847                           | 5.4%        | 132,773                           | 3.5%        | 148,337                           | 3.9%        | -32.2%             |
| Agriculture               | 2,081,481                         | 51.8%       | 2,155,325                         | 57.4%       | 2,354,168                         | 61.9%       | +13.1%             |
| Propane                   | 13,698                            | 0.3%        | 14,856                            | 0.4%        | 19,112                            | 0.5%        | +39.5%             |
| Calexico POE <sup>2</sup> | 12,649                            | 0.3%        | 12,649                            | 0.3%        | 12,649                            | 0.3%        | 0.0%               |
| <b>Total<sup>3</sup></b>  | <b>4,018,430</b>                  | <b>100%</b> | <b>3,753,527</b>                  | <b>100%</b> | <b>3,801,531</b>                  | <b>100%</b> | <b>-5.4%</b>       |

NOTE: Totals may vary due to independent rounding.  
<sup>1</sup>MT CO<sub>2</sub>E = metric tons of carbon dioxide equivalent.  
<sup>2</sup>Data for emissions at the ports of entry (POEs) was only available for 2015. For purposes of this inventory, emissions estimates from 2015 were assumed constant for each inventory year. Emissions from POEs are not apportioned to individual jurisdictions.  
<sup>3</sup>Electricity consumption associated with potable water treatment and delivery is not included in this total, as data for this activity was not available for unincorporated County.  
SOURCE: Imperial County 2021.

The Regional CAP also includes GHG emissions inventories for each of its incorporated cities. Table 3 summarizes the GHG emissions inventory for the City of Brawley.

| <div>Table 3</div> <div>City of Brawley GHG Emissions Inventory</div> |                                   |         |                                   |         |                                   |         |
|-----------------------------------------------------------------------|-----------------------------------|---------|-----------------------------------|---------|-----------------------------------|---------|
| Emissions Sector                                                      | 2005                              |         | 2012                              |         | 2018                              |         |
|                                                                       | MT CO <sub>2</sub> E <sup>1</sup> | % Total | MT CO <sub>2</sub> E <sup>1</sup> | % Total | MT CO <sub>2</sub> E <sup>1</sup> | % Total |
| Energy                                                                | 155,426                           | 60.9%   | 124,066                           | 55.6%   | 77,478                            | 39.8%   |
| Transportation                                                        | 71,858                            | 28.2%   | 75,409                            | 33.8%   | 86,201                            | 44.3%   |
| Water                                                                 | 3,754                             | 1.5%    | 4,172                             | 1.9%    | 4,492                             | 2.3%    |
| Waste                                                                 | 20,534                            | 8.0%    | 15,902                            | 7.1%    | 22,607                            | 11.6%   |
| Agriculture                                                           | 3,540                             | 1.4%    | 3,666                             | 1.6%    | 4,004                             | 2.1%    |
| <b>Total</b>                                                          | 255,112                           | 100.0%  | 223,215                           | 100.0%  | 194,782                           | 100.0%  |
| Wastewater Collection <sup>2</sup>                                    | 3,623                             | --      | 3,018                             | --      | 1,018                             | --      |
| Potable Water <sup>2</sup>                                            | 1,841                             | --      | 1,543                             | --      | 720                               | --      |
| % Change from 2025)                                                   | --                                | --      | --                                | -12.5%  | --                                | -23.6%  |

NOTE: Totals may vary due to independent rounding.

<sup>1</sup>MT CO<sub>2</sub>E = metric tons of carbon dioxide equivalent.

<sup>2</sup>Presented for informational purposes only.

SOURCE: Imperial County 2021.

## 2.3 Regulatory Setting

In response to rising concern associated with increasing GHG emissions and global climate change impacts, several plans and regulations have been adopted at the international, national, and state levels with the aim of reducing GHG emissions. The following is a discussion of the plans and regulations most applicable to the project.

### 2.3.1 Federal

The federal Corporate Average Fuel Economy (CAFE) standards determine the fuel efficiency of certain vehicle classes in the United States. The National Highway Traffic Safety Administration sets CAFE standards for passenger cars and for light trucks (collectively, light-duty vehicles) and separately sets fuel consumption standards for medium- and heavy-duty trucks and engines. With improved gas mileage, fewer gallons of transportation fuel would be combusted to travel the same distance, thereby reducing nationwide GHG emissions associated with vehicle travel. The most recent standards require an industry-wide fleet average of approximately 50.4 miles per gallon for passenger cars and light trucks in model year 2031. The final CAFE standards increase at a rate of 2 percent per year for passenger cars in model years 2027 to 2031 and 2 percent per year for light trucks in model years 2029 to 2031.

Recent congressional actions that affect California emission standards include the following:

#### Public Law No. 119-15

On June 12, 2025, Public Law 119-15, enacting House Joint Resolution 87, was signed into law. The law used the Congressional Review Act to nullify the EPA's rule that had granted California a waiver to enforce stricter emissions standards for heavy-duty vehicles under the Clean Air Act (CAA). The disapproved rule included programs such as the Advanced Clean Trucks regulation and zero-emission requirements for airport shuttles. Passed under the Congressional Review Act, the law prevents the EPA from implementing or reissuing the same or similar rules without new congressional authorization. This effectively blocks California, and other states that follow its standards, from enforcing these specific vehicle emission and warranty regulations.

#### Public Law No. 119-16

Similarly on June 12, 2025, Public Law No. 119-16, enacting House Joint Resolution 88, became law. The law also relied on the Congressional Review Act to void the EPA's December 2024 waiver under the CAA that allowed California to implement and enforce the Advanced Clean Cars (ACC) II regulation. ACC II included a zero-emission vehicle (ZEV) mandate targeting 100 percent new light-duty ZEV sales by 2035. P.L. No. 119-16 marks the first ever occurrence that waivers under the CAA have been revoked under the Congressional Review Act. The implications of this law on the State's capability to enforce its independent fuel economy standards are uncertain at this time, as the California Attorney General is pursuing legal action challenging P.L. No. 119-16.

In *Massachusetts et al. v. Environmental Protection Agency et al.*, 549 U.S. 497 (2007), the Supreme Court of the United States ruled that carbon dioxide is an air pollutant as defined under the federal CAA and that the U.S. Environmental Protection Agency (U.S. EPA) has the authority to regulate GHG emissions. In 2010, the U.S. EPA started to address GHG emissions from stationary sources through its New Source Review permitting program, including operating permits for "major sources" issued under Title V of the CAA. On July 29, 2025, the U.S. EPA announced a proposal to rescind the Endangerment Finding and repeal all GHG emission standards for light-duty, medium-duty, and heavy-duty vehicles and engines pursuant to CAA section 202(a). As of writing this report, the U.S. EPA has not adopted this proposal.

## 2.3.2 State

### 2.3.2.1 Executive Orders and statewide GHG Emission Targets

#### Executive Order S-3-05

This Executive Order (EO) established the following GHG emission reduction targets for the state of California:

- by 2010, reduce GHG emissions to 2000 levels;
- by 2020, reduce GHG emissions to 1990 levels; and
- by 2050, reduce GHG emissions to 80 percent below 1990 levels.

This EO also directs the secretary of the California Environmental Protection Agency to oversee the efforts made to reach these targets and to prepare biannual reports on the progress made toward meeting the targets and on the impacts to California related to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. With regard to impacts, the report shall also prepare and report on mitigation and adaptation plans to combat the impacts. The first Climate Action Team Assessment Report was produced in March 2006 and has been updated every two years.

#### Executive Order B-30-15

This EO establishes a GHG emission reduction goal for the State of California by 2030 of 40 percent below 1990 levels. This EO also directed all state agencies with jurisdiction over GHG-emitting sources to implement measures designed to achieve the 2030 goal, as well as the pre-existing, long-term 2050 goal identified in EO S-3-05. Additionally, this EO directed California Air Resources Board (CARB) to update its Climate Change Scoping Plan to address the 2030 goal.

#### Assembly Bill 1279

Assembly Bill (AB) 1279, approved in September 2022, requires the state to achieve net zero GHG emissions as soon as possible, but no later than 2045, and achieve and maintain net negative GHG emissions thereafter, and to ensure that by 2045, statewide anthropogenic GHG emissions are reduced to at least 85 percent below 1990 levels. The bill would require the state board to work with relevant state agencies to ensure that updates to the scoping plan identify and recommend measures to achieve these policy goals and to identify and implement a variety of policies and strategies that enable carbon dioxide removal solutions and carbon capture, utilization, and storage technologies.

### 2.3.2.2 California Global Warming Solutions Act

In response to EO S-3-05, the California Legislature passed AB 32, the California Global Warming Solutions Act of 2006, and thereby enacted Sections 38500–38599 of the California Health and Safety Code. The heart of AB 32 is its requirement that CARB establish an emissions cap and adopt rules and regulations that would reduce GHG emissions to 1990 levels by 2020. AB 32 also required CARB to adopt a plan by January 1, 2009, indicating how emission reductions would be achieved from significant GHG sources via regulations, market mechanisms, and other actions.

Approved in September 2016, SB 32 updates the California Global Warming Solutions Act of 2006 and enacts EO B-30-15. Under SB 32, the state would reduce its GHG emissions to 40 percent below 1990 levels by 2030. This is equivalent to an emissions level of approximately 260 MMT CO<sub>2</sub>E for 2030. In implementing the 40 percent reduction goal, CARB is required to prioritize emissions reductions to consider the social costs of the emissions of GHGs; where "social costs" is defined as "an estimate of the economic damages, including, but not limited to, changes in net agricultural productivity; impacts to public health; climate adaptation impacts, such as property damages from increased flood risk; and changes in energy system costs per metric ton of greenhouse gas emission per year."

### 2.3.2.3 Climate Change Scoping Plan

As directed by the California Global Warming Solutions Act of 2006, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change (Scoping Plan)*, which identified the main strategies California implemented to achieve the GHG reductions necessary to reduce forecasted business-as-usual emissions in 2020 to the state's historic 1990 emissions level (CARB 2008). The 2020 reduction goals were met. In November 2017, CARB released the 2017 Climate Change Scoping Plan Update, the Strategy for Achieving California's 2030 Greenhouse Gas Target (2017 Scoping Plan; CARB 2017). The 2017 Scoping Plan identifies state strategies for achieving the state's 2030 GHG emissions reduction target codified by SB 32. Measures under the 2017 Scoping Plan Scenario build on existing programs such as the Low Carbon Fuel Standard, Advanced Clean Cars Program, Renewables Portfolio Standard (RPS), Sustainable Communities Strategy, Short-Lived Climate Pollutant Reduction Strategy, and the Cap-and-Trade Program. Additionally, the 2017 Scoping Plan proposes new policies to address GHG emissions from natural and working lands.

The 2022 Scoping Plan Update for Achieving Carbon Neutrality (2022 Scoping Plan; CARB 2022b) was adopted in December 2022. The 2022 Scoping Plan assesses the progress towards the 2030 GHG emissions reduction target identified in the 2017 Scoping Plan and lays out a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels no later than 2045, as directed by AB 1279. The 2022 Scoping Plan identifies strategies related to clean technology, energy development, natural and working lands, and others, and is designed to meet the state's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

### 2.3.2.4 Regional Emissions Targets – Senate Bill 375

SB 375, the 2008 Sustainable Communities and Climate Protection Act, was signed into law in September 2008 and requires CARB to set regional targets for reducing passenger vehicle GHG emissions in accordance with the Scoping Plan. The purpose of SB 375 is to align regional transportation planning efforts, regional GHG reduction targets, and fair-share housing allocations under state housing law. SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a Sustainable Communities Strategy or Alternative Planning Strategy to address GHG reduction targets from cars and light-duty trucks in the context of that MPO's Regional Transportation Plan. Southern California Association of Governments (SCAG) is the region's MPO. In 2018, CARB set targets for the SCAG region of an 8 percent reduction in GHG emissions per capita from automobiles and light-duty trucks compared to 2005 levels by 2020 and a 19 percent reduction by 2035. These targets are periodically reviewed and updated.

### 2.3.2.5 Renewables Portfolio Standard

The RPS promotes diversification of the state's electricity supply and decreased reliance on fossil fuel energy sources. Renewable energy includes (but is not limited to) wind, solar, geothermal, small hydroelectric, biomass, anaerobic digestion, and landfill gas. Originally adopted in 2002 with a goal to achieve a 20 percent renewable energy mix by 2020 (referred to as the "Initial RPS"), the goal has been accelerated and increased by EOs S-14-08 and S-21-09 to a goal of 33 percent by 2020. In April 2011, SB 2 (1X) codified California's 33 percent RPS goal. SB 350 (2015) increased California's renewable energy mix goal to 50 percent by year 2030. SB 100 (2018) further increased the standard set by SB 350, establishing the RPS goal of 44 percent by the end of 2024, 52 percent by the end of 2027, and 60 percent by 2030. SB 1020 (2022) again revised the policy, establishing the RPS goal of 90 percent by the end of 2035, 95 percent by the end of 2040, and 100 percent by the end of 2045.

### 2.3.3 Local

#### 2.3.3.1 Regional Climate Action Plan

The Regional CAP was prepared to address the impacts of climate change and reduce GHG emissions in the Imperial Valley region which includes the unincorporated County and seven incorporated cities. The Regional CAP is consistent with statewide legislation and regulatory mandates, and establishes local strategies, measures, and actions aimed at reducing GHG emissions. Reduction targets for the City were established in alignment with SB 32 and EO S-3-05, based on the 2005 GHG inventory and sector-specific targets in the 2017 Scoping Plan. For the City, they include reducing emissions to 39 percent below 2005 levels by 2030 and to 64 percent below 2005 levels by 2050. To meet these targets, the City would need to reduce communitywide emissions to 52,875 MT CO<sub>2</sub>E by 2030 and 31,214 MT CO<sub>2</sub>E by 2050 (Imperial County 2021).

#### 2.3.3.2 City of Brawley Climate Action Plan

The City adopted a CAP in November 2019 (City of Brawley 2019). The CAP summarizes the 2005 and 2012 GHG emission inventories, provides GHG emission forecasts for years 2020 and 2030, and provides measures that would reduce GHG emissions to the identified reduction targets of 15 percent below 2005 levels by 2020 and 30 percent below 2005 levels by 2030. The CAP identifies GHG reductions measures related to energy conservation and efficiency, solid waste management, urban water management, transportation, and land use.

#### 2.3.3.3 Southern California Association of Governments

The City is a member of SCAG. In April 2024, SCAG adopted Connect SoCal 2024, the Regional Transportation Plan/Sustainable Communities Strategy. The horizon year for Connect SoCal 2024 is 2050. The Connect SoCal plan identifies land use strategies that focus on new housing and job growth in areas with a variety of destinations and mobility options that would support and complement the proposed transportation network. The overarching strategy in Connect SoCal is to provide for a plan that allows the southern California region to grow in more compact communities in transit priority areas and priority growth areas; provide neighborhoods with efficient and plentiful public transit; establish abundant and safe opportunities to walk, bike, and pursue other forms of active transportation; and preserve more of the region's remaining natural lands and farmlands (SCAG 2024). The Connect SoCal plan contains transportation projects to help more efficiently distribute population, housing, and employment growth as well as projected development that promotes active transport and reduces GHG emissions.

## 3.0 Guidelines for Determining Significance

Based on the California Environmental Quality Act (CEQA) Guidelines Appendix G, impacts related to GHG emissions would be significant if the project would:

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs.

As stated in the State CEQA Guidelines, these questions are "intended to encourage thoughtful assessment of impacts and do not necessarily represent thresholds of significance" (Title 14, Division 6, Chapter 3 Guidelines for Implementation of the CEQA, Appendix G, Environmental Checklist Form). The State CEQA Guidelines encourage lead agencies to adopt regionally specific thresholds of significance. When adopting these thresholds, the amended Guidelines allow lead agencies to consider thresholds of significance adopted or recommended by other public agencies, or recommended by experts, provided that the thresholds are supported by substantial evidence.

The project site is in the Salton Sea Air Basin. The Imperial County Air Pollution Control District (ICAPCD) is responsible for regulating air quality within the Imperial County portion of the Salton Sea Air Basin. No GHG emission significance threshold has been adopted by the City, County, or the ICAPCD for land development projects. Thus, in the absence of a threshold of significance for GHG emissions that has been adopted in a public process following environmental review, this analysis considers guidance promulgated by other agencies.

The County is a member of SCAG, which is composed of several different counties, including Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. Air districts responsible for managing air quality within the SCAG boundaries include the South Coast Air Quality Management District (AQMD), the Mojave Desert Air Pollution Control District (APCD), Ventura County APCD, and the Antelope Valley AQMD. In the absence of a threshold of significance for GHG emissions in the County, the project is evaluated based on the SCAQMD's recommended/preferred option threshold for all land use types of 3,000 MT CO<sub>2</sub> per year (SCAQMD 2008). The 3,000 MT CO<sub>2</sub>E per year threshold is based on a 90 percent emission capture rate methodology. Prior to its use by the SCAQMD, the 90 percent emissions capture approach was one of the options suggested by the California Air Pollution Control Officers Association (CAPCOA) in their CEQA & Climate Change white paper (CAPCOA 2008). A 90 percent emission capture rate means that unmitigated GHG emissions from the top 90 percent of all GHG-producing projects within a geographic area would be subject to a detailed analysis of potential environmental impacts from GHG emissions, while the bottom 10 percent of all GHG-producing projects would be excluded from detailed analysis. A GHG significance threshold based on a 90 percent emission capture rate is appropriate to address the long-term adverse impacts associated with global climate change because medium and large projects will be required to implement measures to reduce GHG emissions, while small projects, which are generally infill development projects that are not the focus of the State's GHG reduction targets, are allowed to proceed. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial proportion of future development projects and demonstrate that cumulative emissions reductions are being achieved while setting the emission threshold high enough to exclude small projects that will, in aggregate, contribute approximately one percent of projected statewide GHG emissions in the Year 2050.

In the absence of adopted GHG significance thresholds, the threshold of 3,000 MT CO<sub>2</sub>E is an appropriate CEQA significance threshold for the assessment of GHG emissions for the purposes of this project.

#### **4.0 Project Impact Analysis**

- 1. Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?*

Operational GHG emissions associated with a project break down into the following categories: mobile (on-road vehicles), energy (electricity, natural gas), area (landscape maintenance equipment), water and wastewater, solid waste sources, and refrigerants. GHG emissions also result from construction activities. Emissions were calculated using California Emissions Estimator Model (CalEEMod) Version 2022.1.1.44 (California Air Pollution Control Officers Association [CAPCOA] 2022). The CalEEMod program is a tool used to estimate emissions resulting from land development projects in the state of California. CalEEMod was developed with the participation of several state air districts.

CalEEMod estimates parameters such as the type and amount of construction equipment required, trip generation, and utility consumption based on the size and type of each specific land use using data collected from surveys performed in South Coast AQMD. Where available, parameters were modified to reflect project-specific data.

#### 4.1 Construction-related Emissions

Construction activities emit GHGs primarily through combustion of fuels (mostly diesel) in the engines of off-road construction equipment and through combustion of diesel and gasoline in on-road construction vehicles and the commute vehicles of the construction workers.

Primary inputs are the numbers of each piece of equipment and the length of each construction stage. The construction equipment estimates are based on surveys performed by the South Coast AQMD and the Sacramento Metropolitan AQMD of typical construction projects, which provide a basis for scaling equipment needs and schedule with a project's size. GHG emission estimates in CalEEMod are based on the duration of construction phases; construction equipment type, quantity, and usage; grading area; season; and ambient temperature, among other parameters.

Construction activities were modeled beginning in January 2027 and lasting approximately 13 months, which is the default duration. Construction stages would include demolition, site preparation, grading, building construction, paving, and architectural coatings. All default phase lengths were modeled, and architectural coatings were modeled during the last 20 percent of the building construction phase, since painting of constructed buildings and units would begin as construction of additional buildings and units commenced.

CalEEMod calculates emissions of all pollutants from construction equipment using emission factors from CARB's off-road diesel equipment emission factors database. All default construction equipment, horsepower, and sizes were modeled. The modeled construction equipment is presented in Table 4.

| Table 4<br>Construction Phases and Equipment                                                                                    |          |                              |
|---------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Equipment                                                                                                                       | Quantity | Daily Operation Time (hours) |
| Demolition (20 days)                                                                                                            |          |                              |
| Concrete/Industrial Saws                                                                                                        | 1        | 8                            |
| Excavators                                                                                                                      | 3        | 8                            |
| Rubber Tired Dozers                                                                                                             | 2        | 8                            |
| Site Preparation (10 days)                                                                                                      |          |                              |
| Rubber Tired Dozers                                                                                                             | 3        | 8                            |
| Tractors/Loaders/Backhoes                                                                                                       | 4        | 8                            |
| Grading (20 days)                                                                                                               |          |                              |
| Excavators                                                                                                                      | 1        | 8                            |
| Graders                                                                                                                         | 1        | 8                            |
| Rubber Tired Dozers                                                                                                             | 1        | 8                            |
| Tractors/Loaders/Backhoes                                                                                                       | 3        | 8                            |
| Building Construction (230 days)                                                                                                |          |                              |
| Cranes                                                                                                                          | 1        | 7                            |
| Forklifts                                                                                                                       | 3        | 8                            |
| Generator Sets                                                                                                                  | 1        | 8                            |
| Tractors/Loaders/Backhoes                                                                                                       | 3        | 7                            |
| Welders                                                                                                                         | 1        | 8                            |
| Architectural Coatings (46 days)                                                                                                |          |                              |
| Air Compressors                                                                                                                 | 1        | 6                            |
| Paving (20 days)                                                                                                                |          |                              |
| Pavers                                                                                                                          | 2        | 8                            |
| Paving Equipment                                                                                                                | 2        | 8                            |
| Rollers                                                                                                                         | 2        | 8                            |
| NOTE: Each phase would also include vehicles associated with work commutes, dump trucks for hauling, and trucks for deliveries. |          |                              |

The ICAPCD requires that, regardless of the size of a project, all feasible standard measures for construction equipment must be implemented at construction sites. Standard measures from the ICAPCD handbook include the following (ICAPCD 2017):

Standard Measures for Construction Combustion Equipment

- a) Use of alternative fueled or catalyst equipped diesel construction equipment, including all off-road and portable diesel powered equipment.
- b) Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes as a maximum.
- c) Limit, to the extent feasible, the hours of operation of heavy duty equipment and/or the amount of equipment in use.
- d) Replace fossil fueled equipment with electrically driven equivalents (provided they are not run via a portable generator set).

Construction would also generate mobile source emissions from worker trips, hauling trips, and vendor trips. CalEEMod calculates emissions of all pollutants from on-road trucks and passenger vehicles using emission factors derived from CARB's motor vehicle emission inventory program EMFAC2021 (CARB 2021). Vehicle emission factors were multiplied by the model default total estimated number of trips and the average trip length to calculate the total mobile emissions. The project would require up to 104 workers per day, 12 hauling trips per day, and 15 deliveries per day. Default trip lengths were modeled.

Based on guidance from the SCAQMD, total construction GHG emissions resulting from a project should be amortized over 30 years and added to operational GHG emissions to account for their contribution to GHG emissions over the lifetime of a project (SCAQMD 2009).

## **4.2 Operation-related Emissions**

### **4.2.1 Mobile Sources**

GHG emissions from vehicles come from the combustion of fossil fuels in vehicle engines. The vehicle emissions are calculated based on the vehicle type and the trip rate for each land use. CalEEMod calculates mobile source emissions using emission factors derived from CARB's motor vehicle emission inventory program, EMFAC2021 (CARB 2021). The project would generate 931 weekday trips (Linscott, Law & Greenspan Engineers, Inc. [LLG] 2025a). Weekend trip rates modeled in CalEEMod were adjusted proportionately. Note that average daily trips generated for the Local Mobility Analysis was based on a maximum development of 144 units, which provides a conservative analysis compared to the current project design of 133 units. The GHG Analysis utilizes average daily trips generated in the Local Mobility Analysis. Therefore, the volumes modeled in this analysis are conservative. CalEEMod default trip lengths and emission factors for the soonest operational year of 2028 were modeled.

### **4.2.2 Energy Sources**

GHGs are emitted through activities in buildings utilizing electricity and natural gas as energy sources. GHGs are also emitted during the generation of electricity from fossil fuels off-site in power plants. These emissions are considered indirect but are calculated in association with a building's operation. Electric power generation accounts for the second-largest sector contributing to both inventoried and projected statewide GHG emissions. Electricity use does

not result in emissions of criteria pollutants. Combustion of fossil fuel (natural gas) emits criteria pollutants and GHGs directly into the atmosphere. When this occurs in a building, it is considered a direct emissions source associated with the building. CalEEMod estimates emissions from the direct combustion of natural gas for space and water heating.

CalEEMod estimates GHG emissions from energy use by multiplying average rates of residential and nonresidential energy consumption by the quantities of residential units and nonresidential square footage entered in the land use module to obtain total projected energy use. This value is then multiplied by electricity and natural gas GHG emission factors applicable to the project location and utility provider.

Within Title 24 of the California Code of Regulations (Building Standards Code) is Part 6, the Building Energy Efficiency Standards (Energy Code). The CEC adopted the 2022 Energy Code in August 2021, and it took effect January 1, 2023. The 2025 Title 24 code cycle was adopted July 1, 2025, and became effective January 1, 2026. The Energy Code contains energy conservation standards applicable to particular end-use categories for all new or altered residential and nonresidential buildings throughout California. Energy consumption values are based on the CEC's 2018–2030 Uncalibrated Commercial Sector Forecast and the 2019 Residential Appliance Saturation Survey. GHG emissions were calculated using the default CalEEMod emission factors which are based on previous versions of the Energy Code and are therefore conservative.

#### **4.2.3 Area Sources**

Area sources include GHG emissions that would occur from the use of landscaping equipment. The use of landscape equipment emits GHGs associated with the equipment's fuel combustion. Default statewide emission rates from landscaping equipment were developed using the CARB Small Off-Road Engines Model v1.1 (CARB 2020). Area sources also include consumer products and architectural coatings. However, only criteria pollutant emissions are associated with these sources, and not GHG emissions. Area source emissions were calculated using default CalEEMod emission factors.

#### **4.2.4 Water and Wastewater Sources**

The amount of water used and wastewater generated by a project has indirect GHG emissions associated with it. These emissions are a result of the energy used to supply, distribute, and treat the water and wastewater. In addition to the indirect GHG emissions associated with energy use, wastewater treatment can directly emit both methane and nitrous oxide. CalEEMod Version 2022.1 calculates outdoor water use based on the Department of Water Resources Model Water Efficient Landscape Ordinance, and calculates nonresidential indoor water use based on the Pacific Institute's *Waste Not, Want Not: The Potential for Urban Water Conservation in California* 2003 (as cited in CAPCOA 2022). Wastewater treatment is based on the region-specific distribution of wastewater treatment methods. GHG emissions associated with the project's water and wastewater were calculated using these CalEEMod default parameters.

#### **4.2.5 Solid Waste Sources**

The disposal of solid waste produces GHG emissions from anaerobic decomposition in landfills, incineration, and transportation of waste. To calculate the GHG emissions generated by disposing of solid waste for the project, the total volume of solid waste was calculated using waste disposal rates identified by California Department of Resources Recycling and Recovery. The methods for quantifying GHG emissions from solid waste are based on the Intergovernmental Panel on Climate Change method using the degradable organic content of waste. GHG emissions associated with the project's waste disposal were calculated using these CalEEMod default parameters.

#### 4.2.6 Refrigerant Sources

Small amounts of GHG emissions result from refrigerants used in air conditioning and refrigeration equipment. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Emissions due to refrigerants were calculated using CalEEMod default values, which are based on industry data from the U.S. EPA.

#### 4.2.7 Stationary Source

The project would include the construction of a sewer lift station at the southeast corner of the project site near the intersection of West River Drive and North Rio Vista Avenue. The exact design of the sewer lift station is not known at this time. Sewer lift stations may require an emergency generator. It should be noted that use of the generator is foreseeable during an emergency power outage; however, the number of hours that the generator would operate in emergency situations is speculative and emissions associated with emergency operation were not calculated. However, the generator would require routine testing and emissions associated with this testing were modeled using CalEEMod. Emissions were calculated assuming a 400-horsepower generator would be tested a maximum of one hour in a day and a total of 50 hours per year.

#### 4.3 Total GHG Emissions

Table 5 presents the estimated annual GHG construction emissions associated with the project, as well as the amortized construction emissions over a 30-year project life. Table 6 presents the total project GHG emissions.

| Table 5<br>Construction-Related GHG Emissions |                                         |
|-----------------------------------------------|-----------------------------------------|
| Year                                          | GHG Emissions<br>(MT CO <sub>2</sub> E) |
| 2027                                          | 493                                     |
| 2028                                          | 66                                      |
| <b>Total</b>                                  | <b>559</b>                              |
| <i>Amortized Over 30 Years</i>                | <i>19</i>                               |
| SOURCE: Attachment 1.                         |                                         |

| Table 6<br>Total GHG Emissions                                              |                                         |
|-----------------------------------------------------------------------------|-----------------------------------------|
| Source                                                                      | GHG Emissions<br>(MT CO <sub>2</sub> E) |
| Mobile                                                                      | 708                                     |
| Energy                                                                      | 210                                     |
| Area                                                                        | 2                                       |
| Water                                                                       | 13                                      |
| Solid Waste                                                                 | 42                                      |
| Refrigerants                                                                | <1                                      |
| Stationary (Emergency Generator)                                            | 8                                       |
| Construction                                                                | 19                                      |
| <b>Total</b>                                                                | <b>1,001</b>                            |
| <i>Screening Threshold</i>                                                  | <i>3,000</i>                            |
| Exceeds Threshold?                                                          | No                                      |
| NOTE: Totals may vary due to independent rounding.<br>SOURCE: Attachment 1. |                                         |

As shown in Table 6, the project would emit a total of 1,001 MT CO<sub>2</sub>E annually. This is less than the 3,000 MT CO<sub>2</sub>E screening threshold. Therefore, the project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, and impacts would be less than significant.

2. *Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs?*

State GHG emissions reduction policy was established by EOs S-3-05 and B-30-15 and was subsequently codified by AB 32 and SB 32. EO S-3-05 established GHG emission reduction targets of year 2000 GHG emission levels by 2010, year 1990 GHG emission levels by 2020, and 80 percent below year 1990 levels by 2050; and EO B-30-15 established an interim GHG emission reduction target of 40 percent below year 1990 levels by 2030. AB 32 launched the CARB Climate Change Scoping Plan that outlined the reduction measures needed to reach the 2020 target, which has been achieved. SB 32 enacts the EO B-30-15 target of reducing GHG emissions to 40 percent below year 1990 levels by 2030. AB 1279, the California Climate Crisis Act, codified the carbon neutrality target as 85 percent below 1990 levels by 2045. The 2022 Scoping Plan was adopted in December 2022. The 2022 Scoping Plan lays out a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels no later than 2045, as directed by AB 1279.

As shown in Table 6 above, the project's annual GHG emissions would be well less than the screening threshold of 3,000 MT CO<sub>2</sub>E per year. Furthermore, project emissions would decline beyond the buildout year of the project due to continued implementation of federal, state, and local reduction measures, such as increased federal and state vehicle efficiency standards. Based on currently available models and regulatory forecasting, project emissions would continue to decline through at least 2050. Given the reasonably anticipated decline in project emissions that would occur post-construction, the project is in line with the GHG reductions needed to achieve the 2045 GHG emission reduction targets identified by AB 1279.

The project would support the 2022 Scoping Plan key prioritization strategies. The project would use energy from Imperial Irrigation District (IID), which has obtained 27 percent renewables as of 2024 (IID 2024a). The IID's 2025 Integrated Resources Plan describes how IID plans to meet its energy and capacity resource needs, policy goals, and

comply with clean energy policy goals (IID 2024b). From 2027 through the mid-2030s, solar capacity will be steadily added to the IID portfolio to meet the 2030 RPS target of 60 percent and the subsequent zero-carbon targets of 90 percent retail sales by 2035, 95 percent of retail sales by 2040, and 100 percent of retail sales by 2045 (IID 2024b). Thus, the IID is on track to achieve the RPS targets and be consistent with the 2022 Scoping Plan goals. The project would also reduce energy consumption because it would be required to comply with the 2025 Title 24 Building Energy Efficiency Standards and the 2025 CALGreen requirements. Additionally, the project would result in less than significant impacts related to vehicle miles traveled, because it would be located in an area where vehicle miles traveled is only 72 percent of the regional average (LLG 2025b). It would therefore support the goals of the applicable GHG reduction plans, as well as Connect SoCal by reducing mobile source emissions. The project would also be consistent with the Regional CAP GHG reduction measures, as detailed in Table 7. Therefore, the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs, and impacts would be less than significant.

| Table 7<br>Regional CAP GHG Reduction Measures |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number                                         | Measure Description                                                                                                                                                                                                                                      | Consistency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b><i>Transportation Measures</i></b>          |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| T-1.1                                          | Create a ridesharing program for agricultural workers modeled after the Green Raiterios program in the San Joaquin Valley.                                                                                                                               | Not Applicable. The project does not involve agricultural workers. The project would not interfere with rideshare programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T-1.2                                          | Plan and implement a system of bicycle lanes and multi-use trails that link the cities, unincorporated communities, schools, commercial/retail, employment centers, health care service facilities, public transportation, and other points of interest. | Consistent. The City's Non-Motorized Transportation Plan (City of Brawley 2013) identifies existing Class II bicycle lanes along Western Avenue east of the project site, and identifies proposed Class III bicycle routes along North Rio Vista Avenue, proposed Class II bicycle lanes along West River Drive, and a proposed Class I shared-use path along the City's western boundary, adjacent to the project site, and through Pat Williams Park west of the project site. The project would implement necessary improvements along the site frontage to accommodate these routes. |
| T-1.4                                          | Adopt Complete Street Ordinances to ensure streets and roads are designed and operated as a balanced, multimodal transportation network that enables safe access for all users.                                                                          | Not Applicable. This measure is the responsibility of the City to implement. The project would comply with all applicable City ordinances.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| T-1.5                                          | Adopt zoning changes that encourage higher density mixed use development in incorporated cities.                                                                                                                                                         | Consistent. The project would increase residential density on the project site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| T-2.1 <sup>2</sup>                             | Require projects with loading docks to provide electric outlets to power truck refrigeration units rather than allow trucks to idle while unloading.                                                                                                     | Not Applicable. The project does not include loading docks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T-2.2                                          | Synchronize traffic signals to reduce idling.                                                                                                                                                                                                            | Not Applicable. This measure is the responsibility of the City to implement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| T-2.4                                          | Work with the air district to establish an incentive program to trade in fossil fuel-powered landscaping equipment with electric versions.                                                                                                               | Not Applicable. This measure is the responsibility of the City to implement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Table 7<br>Regional CAP GHG Reduction Measures |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number                                         | Measure Description                                                                                                                                                                   | Consistency                                                                                                                                                                                                                                                                                                          |
| T-3.1                                          | Transition to a more fuel-efficient municipal vehicle fleet.                                                                                                                          | Not Applicable. This measure is the responsibility of the City to implement.                                                                                                                                                                                                                                         |
| T-3.2                                          | Install public electric vehicle charging stations.                                                                                                                                    | Not Applicable. This measure is the responsibility of the City to implement.                                                                                                                                                                                                                                         |
| T-3.3                                          | Require electric vehicle charging stations at new non-residential developments.                                                                                                       | Not Applicable. The project does not propose non-residential development. However, the project would comply with 2025 CalGreen electric vehicle parking requirements.                                                                                                                                                |
| T-3.4                                          | Explore local "cash for clunkers" or similar incentive programs that provide access to new or used zero emission on-road vehicles.                                                    | Not Applicable. This measure is the responsibility of the City to implement.                                                                                                                                                                                                                                         |
| <b><i>Energy Measures</i></b>                  |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                      |
| E-1.1                                          | Require new residential developments to install alternatively powered water heaters.                                                                                                  | Consistent. The project would be required to comply with the 2025 Title 24 Energy Code standards which requires dwelling units to be heat pump water heater (HPWH) ready. HPWHs use electricity to move heat from one place to another instead of generating heat directly.                                          |
| E-1.3                                          | Reduce or eliminate natural gas and propane consumption in new and existing residential buildings.                                                                                    | Consistent. The project would reduce natural gas consumption by implementing 2025 Title 24 Energy Code standards. Central water-heating systems that use natural gas for new multi-family dwelling units must also meet 2025 Energy Code Section 160.9(f) requirements to prepare for central electric HPWH systems. |
| E-1.5                                          | Require major renovations to incorporate energy efficiency measures.                                                                                                                  | Not Applicable. The project does not involve renovations of existing buildings.                                                                                                                                                                                                                                      |
| E-2.3                                          | Require large parking lots for new commercial development projects to include solar canopies to produce on-site renewable energy, and provide shading for energy efficiency benefits. | Not Applicable. The project does not propose commercial development.                                                                                                                                                                                                                                                 |
| E-2.4                                          | Supply municipal facilities with on-site renewable electricity.                                                                                                                       | Not Applicable. The project does not include municipal facilities.                                                                                                                                                                                                                                                   |
| E-2.5                                          | Adopt a reach code to require new commercial developments to achieve zero net energy.                                                                                                 | Not Applicable. The project does not include commercial development nor would it interfere with the City adopting a zero net energy code.                                                                                                                                                                            |
| E-2.6                                          | Establish or join program to increase grid-supply renewable and zero-carbon electricity.                                                                                              | Not Applicable. This measure is the responsibility of the City to implement. However, project energy would be supplied by IID which is on track to achieve RPS goals.                                                                                                                                                |
| <b><i>Waste Measures</i></b>                   |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                      |

| Table 7<br>Regional CAP GHG Reduction Measures |                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number                                         | Measure Description                                                                                                                                                                                                                                                              | Consistency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| WS-1.1                                         | Provide recycling and composting receptacles and use of biodegradable or recycled-material products at municipal facilities and events, where feasible.                                                                                                                          | Consistent. Although the project does not include municipal facilities or events, the project would be consistent with City recycling and composting goals. As required by the City's Municipal Code Section 15A.10, the project shall "provide readily accessible areas that serve occupants of all buildings on the site and are identified for the storage and collection of blue container and green container materials, consistent with the three container collection program offered by the City, or shall comply with provision of adequate space for recycling for multi-family and commercial premises pursuant to" CalGreen. |
| WS-1.2                                         | Promote alternative uses of agricultural and organic waste by promoting the construction of composting and anaerobic digestion facilities.                                                                                                                                       | Not Applicable. The project would not interfere with the construction of composting or anaerobic digestion facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WS-1.3                                         | Create waste diversion ordinances for construction projects.                                                                                                                                                                                                                     | Consistent. All construction waste associated with the project would be recycled in accordance with City requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b><i>Agriculture Measures</i></b>             |                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AG-1.1                                         | Work with utilities and/or air districts to provide incentives such as CARB's FARMER program to convert stationary diesel- or gas-powered irrigation pumps to electric pumps that are connected to the grid or use off-grid alternative/renewable energy sources, such as solar. | Not Applicable. The project does not include irrigation pumps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AG-1.2                                         | Work with utilities, dairies, ranches, and others to expedite permitting and promote energy generation, flaring, and methane capture systems at manure management facilities at cattle ranches and dairy farms.                                                                  | Not Applicable. The project does not include cattle ranches or dairy farms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AG-1.3                                         | Provide incentives for replacing gas- or diesel-powered agricultural equipment with electric or alternatively-fueled equivalents.                                                                                                                                                | Not Applicable. The project does not include agricultural equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| AG-1.5                                         | Work with farmers to either reduce or replace the use of synthetic nitrogen-based fertilizers with compost alternatives.                                                                                                                                                         | Not Applicable. The project does not include the use of synthetic nitrogen-based fertilizers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Table 7<br>Regional CAP GHG Reduction Measures                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number                                                                                                                                                   | Measure Description                                                                                                                                                                                                                        | Consistency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AG-2.1 <sup>1</sup>                                                                                                                                      | Consider various agricultural land and open space conservation strategies that allow developers to preserve lands and/or increase residential development density in smart growth infill areas by removing development potential of lands. | Consistent. Zoning for the project site includes an Urban Area overlay zone. These areas are characterized by a full level of urban services, in particular public water and sewer systems, and contain or propose a broad range of residential, commercial, and industrial uses, and development within these areas shall provide for the extension or development of full urban services such as public sewer and water, drainage improvements, street lights, fire hydrants, and fully improved paved streets with curbs and, in many cases, sidewalks. Thus, the project site is intended for future development and annexation into the City. It is surrounded by a mix of residential and park uses and open space. Consistent with the reduction measure, the project would increase residential development density on an underutilized site. |
| AG-2.2                                                                                                                                                   | Target stream restoration programs and riparian restoration strategies for carbon sequestration, natural heat relief, water quality improvements, and/or wildlife habitat mitigation.                                                      | Not Applicable. The project does not include streams or riparian areas. The project would include tree planting consistent with City requirements that would provide carbon sequestration and heat relief.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AG-2.4                                                                                                                                                   | Develop and enforce landscape tree requirement for new developments.                                                                                                                                                                       | Consistent. The project would include tree planting consistent with City requirements. Drought tolerant landscaping shall be encouraged as part of the landscaping plan for review and approval by the City.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <sup>1</sup> Measure applicable to County of Imperial only.<br><sup>2</sup> Measure applicable to City of Brawley only.<br>SOURCE: Imperial County 2021. |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

If you have any questions about the results of this analysis, please contact me at [jfleming@reconenvironmental.com](mailto:jfleming@reconenvironmental.com) or (619) 308-9333 extension 177.

Sincerely,

  
Jessica Fleming  
Senior GHG Specialist

JLF:dcs:sjg

## 5.0 Certification

The following is a list of preparers, persons, and organizations involved with the GHG analysis.

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June 17, 2026

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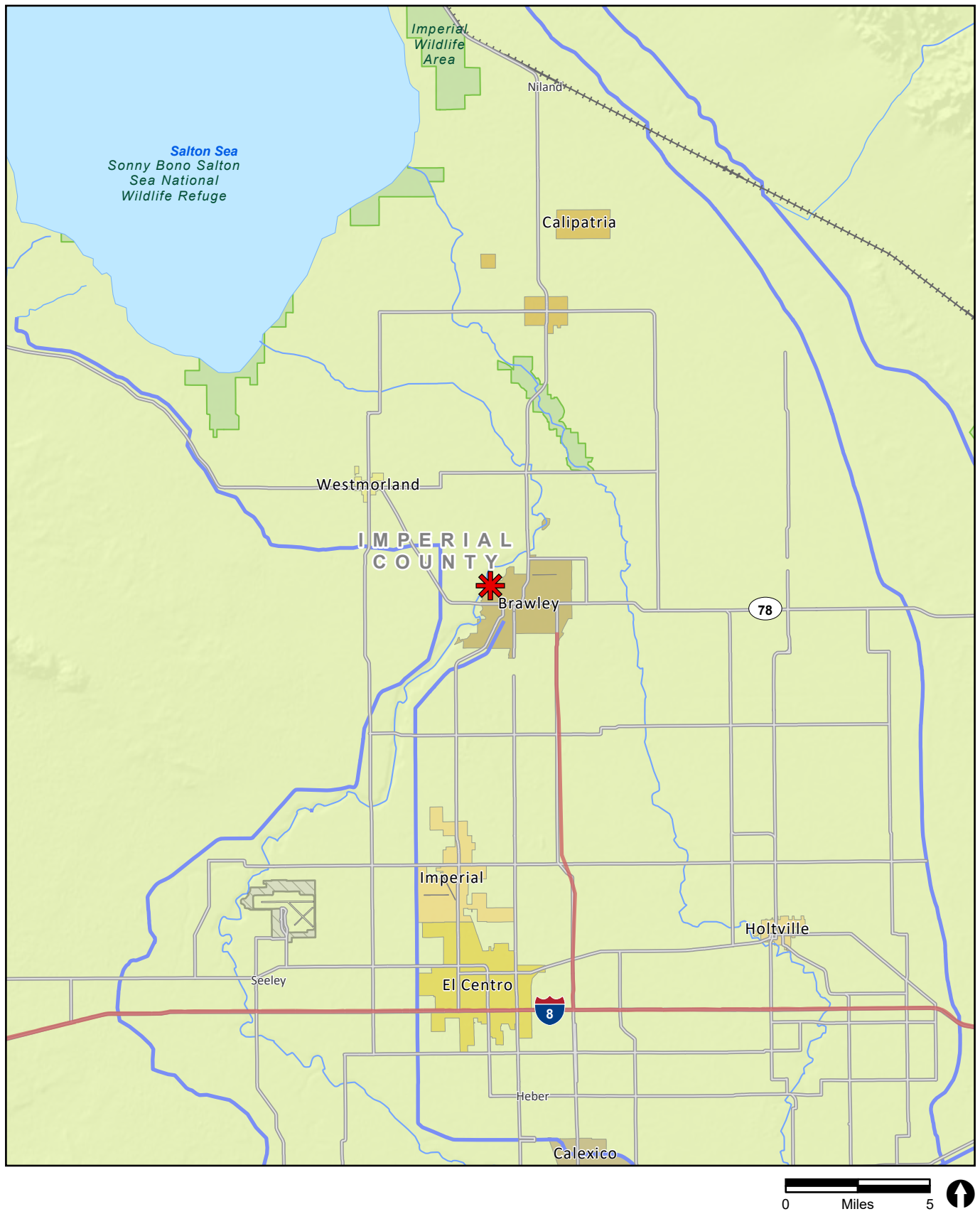
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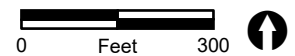


 Project Location

FIGURE 1  
Regional Location



-  Project Boundary
-  Off-site Fire Access Road Improvement



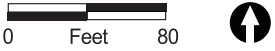


FIGURE 3  
Site Plan

**ATTACHMENT 1**  
CalEEMod Output Files

# Rio Vista Apartments Detailed Report

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3.7.2. Offsite - Unmitigated

3.8. Architectural Coating (2028)

3.8.1. Onsite - Unmitigated

3.8.2. Offsite - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

#### 4.7. Offroad Emissions By Equipment Type

##### 4.7.1. Unmitigated

#### 4.8. Stationary Emissions By Equipment Type

##### 4.8.1. Unmitigated

#### 4.9. User Defined Emissions By Equipment Type

##### 4.9.1. Unmitigated

#### 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

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

### 5. Activity Data

#### 5.1. Construction Schedule

#### 5.2. Off-Road Equipment

##### 5.2.1. Unmitigated

#### 5.3. Construction Vehicles

##### 5.3.1. Unmitigated

#### 5.4. Vehicles

##### 5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

#### 5.14. Operational Refrigeration and Air Conditioning Equipment

##### 5.14.1. Unmitigated

#### 5.15. Operational Off-Road Equipment

##### 5.15.1. Unmitigated

#### 5.16. Stationary Sources

##### 5.16.1. Emergency Generators and Fire Pumps

##### 5.16.2. Process Boilers

#### 5.17. User Defined

#### 5.18. Vegetation

##### 5.18.1. Land Use Change

###### 5.18.1.1. Unmitigated

##### 5.18.1. Biomass Cover Type

###### 5.18.1.1. Unmitigated

##### 5.18.2. Sequestration

###### 5.18.2.1. Unmitigated

### 6. Climate Risk Detailed Report

#### 6.1. Climate Risk Summary

#### 6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.4. Construction

8.4.1. Construction Phases

8.4.7. On-Road Fugitive Dust

8.4.9. Paving

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.1.4. Road Dust

8.5.2. Area Sources

8.5.2.1. Hearths

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field                  | Value                                 |
|-----------------------------|---------------------------------------|
| Project Name                | Rio Vista Apartments                  |
| Construction Start Date     | 1/4/2027                              |
| Operational Year            | 2028                                  |
| Lead Agency                 | City of Brawley                       |
| Land Use Scale              | Project/site                          |
| Analysis Level for Defaults | County                                |
| Windspeed (m/s)             | 3.40000                               |
| Precipitation (days)        | 4.80000                               |
| Location                    | 32.9871984348776, -115.54870359437074 |
| County                      | Imperial                              |
| City                        | Brawley                               |
| Air District                | Imperial County APCD                  |
| Air Basin                   | Salton Sea                            |
| TAZ                         | 5602                                  |
| EDFZ                        | 19                                    |
| Electric Utility            | Imperial Irrigation District          |
| Gas Utility                 | Southern California Gas               |
| App Version                 | 2022.1.1.44                           |

## 1.2. Land Use Types

| Land Use Subtype    | Size    | Unit          | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---------------------|---------|---------------|-------------|-----------------------|------------------------|--------------------------------|------------|-------------|
| Apartments Mid Rise | 133.000 | Dwelling Unit | 7.96000     | 148,316               | 69,000.0               | —                              | 473.000    | —           |

|                            |         |          |         |          |         |   |   |   |
|----------------------------|---------|----------|---------|----------|---------|---|---|---|
| Recreational Swimming Pool | 2.00000 | 1000sqft | 0.05000 | 0.00000  | 0.00000 | — | — | — |
| Health Club                | 4.40000 | 1000sqft | 0.10000 | 4,400.00 | 0.00000 | — | — | — |

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

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG     | ROG     | NOx      | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —        | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 1.87110 | 1.61796 | 10.3814  | 22.7124 | 0.02708 | 0.34329 | 59.0160 | 59.3593 | 0.31637 | 6.07945 | 6.39582 | —    | 4,297.99 | 4,297.99 | 0.15993 | 0.13130 | 5.40935 | 4,346.52 |
| Daily, Winter (Max) | —       | —       | —        | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 43.6353 | 43.3503 | 28.0787  | 29.2387 | 0.04891 | 1.17173 | 69.8970 | 70.2593 | 1.07799 | 7.19887 | 7.53276 | —    | 5,517.46 | 5,517.46 | 0.22590 | 0.16169 | 0.16281 | 5,538.52 |
| Average Daily (Max) | —       | —       | —        | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 3.83483 | 3.63148 | 8.66798  | 14.3241 | 0.02035 | 0.30461 | 35.6426 | 35.9472 | 0.28062 | 3.85969 | 4.14031 | —    | 2,946.25 | 2,946.25 | 0.11317 | 0.08560 | 1.42254 | 2,976.01 |
| Annual (Max)        | —       | —       | —        | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | 0.69986 | 0.66274 | 1.58191  | 2.61414 | 0.00371 | 0.05559 | 6.50478 | 6.56037 | 0.05121 | 0.70439 | 0.75561 | —    | 487.786  | 487.786  | 0.01874 | 0.01417 | 0.23552 | 492.713  |
| Exceeds (Daily Max) | —       | —       | —        | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Threshold           | —       | 75.0000 | 100.0000 | 550.000 | —       | —       | —       | 150.000 | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Unmit.              | —       | No      | No       | No      | —       | —       | —       | No      | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

|                               |   |         |          |         |   |   |   |         |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---------|----------|---------|---|---|---|---------|---|---|---|---|---|---|---|---|---|---|
| Exceeds<br>(Average<br>Daily) | — | —       | —        | —       | — | — | — | —       | — | — | — | — | — | — | — | — | — | — |
| Threshold                     | — | 75.0000 | 100.0000 | 550.000 | — | — | — | 150.000 | — | — | — | — | — | — | — | — | — | — |
| Unmit.                        | — | No      | No       | No      | — | — | — | No      | — | — | — | — | — | — | — | — | — | — |

## 2.2. Construction Emissions by Year

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

Includes both onsite and offsite emissions.

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

| Year                       | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily -<br>Summer<br>(Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                       | 1.87110 | 1.61796 | 10.3814 | 22.7124 | 0.02708 | 0.34329 | 59.0160 | 59.3593 | 0.31637 | 6.07945 | 6.39582 | —    | 4,297.99 | 4,297.99 | 0.15993 | 0.13130 | 5.40935 | 4,346.52 |
| Daily -<br>Winter<br>(Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                       | 43.6353 | 43.3503 | 28.0787 | 29.2387 | 0.04891 | 1.17173 | 69.8970 | 70.2593 | 1.07799 | 7.19887 | 7.53276 | —    | 5,517.46 | 5,517.46 | 0.22590 | 0.16169 | 0.16281 | 5,538.52 |
| 2028                       | 43.5582 | 43.2785 | 10.8932 | 20.2139 | 0.02882 | 0.32231 | 69.8970 | 70.2193 | 0.29707 | 7.19887 | 7.49593 | —    | 4,414.64 | 4,414.64 | 0.13124 | 0.13871 | 0.14681 | 4,459.40 |
| Average<br>Daily           | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                       | 3.83483 | 3.63148 | 8.66798 | 14.3241 | 0.02035 | 0.30461 | 35.6426 | 35.9472 | 0.28062 | 3.85969 | 4.14031 | —    | 2,946.25 | 2,946.25 | 0.11317 | 0.08560 | 1.42254 | 2,976.01 |
| 2028                       | 2.97421 | 2.94824 | 1.08807 | 2.04673 | 0.00266 | 0.03545 | 5.04282 | 5.07827 | 0.03265 | 0.51948 | 0.55212 | —    | 394.572  | 394.572  | 0.01558 | 0.01012 | 0.17712 | 398.154  |
| Annual                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                       | 0.69986 | 0.66274 | 1.58191 | 2.61414 | 0.00371 | 0.05559 | 6.50478 | 6.56037 | 0.05121 | 0.70439 | 0.75561 | —    | 487.786  | 487.786  | 0.01874 | 0.01417 | 0.23552 | 492.713  |
| 2028                       | 0.54279 | 0.53805 | 0.19857 | 0.37353 | 0.00049 | 0.00647 | 0.92031 | 0.92678 | 0.00596 | 0.09480 | 0.10076 | —    | 65.3259  | 65.3259  | 0.00258 | 0.00168 | 0.02932 | 65.9189  |

### 2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

| Year                 | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily - Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 1.23076 | 1.02988 | 9.39093 | 12.9379 | 0.02340 | 0.33657 | 0.00000 | 0.33657 | 0.30965 | 0.00000 | 0.30965 | —    | 2,397.08 | 2,397.08 | 0.09724 | 0.01945 | 0.00000 | 2,405.30 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 43.0600 | 42.8353 | 27.9724 | 28.2794 | 0.04891 | 1.17173 | 9.82850 | 11.0002 | 1.07799 | 5.05122 | 6.12922 | —    | 5,297.82 | 5,297.82 | 0.21490 | 0.04298 | 0.00000 | 5,316.00 |
| 2028                 | 43.0067 | 42.7908 | 9.73309 | 14.0536 | 0.02513 | 0.31559 | 0.00000 | 0.31559 | 0.29035 | 0.00000 | 0.29035 | —    | 2,530.97 | 2,530.97 | 0.10267 | 0.02053 | 0.00000 | 2,539.66 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 3.49935 | 3.32868 | 7.99656 | 10.1254 | 0.01795 | 0.29994 | 0.50097 | 0.80091 | 0.27594 | 0.23792 | 0.51386 | —    | 1,858.64 | 1,858.64 | 0.07539 | 0.01508 | 0.00000 | 1,865.02 |
| 2028                 | 2.93102 | 2.90952 | 1.01076 | 1.47808 | 0.00244 | 0.03500 | 0.00000 | 0.03500 | 0.03220 | 0.00000 | 0.03220 | —    | 251.198  | 251.198  | 0.01019 | 0.00204 | 0.00000 | 252.060  |
| Annual               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 0.63863 | 0.60748 | 1.45937 | 1.84789 | 0.00328 | 0.05474 | 0.09143 | 0.14617 | 0.05036 | 0.04342 | 0.09378 | —    | 307.719  | 307.719  | 0.01248 | 0.00250 | 0.00000 | 308.775  |
| 2028                 | 0.53491 | 0.53099 | 0.18446 | 0.26975 | 0.00044 | 0.00639 | 0.00000 | 0.00639 | 0.00588 | 0.00000 | 0.00588 | —    | 41.5886  | 41.5886  | 0.00169 | 0.00034 | 0.00000 | 41.7313  |

### 2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

| Year                 | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily - Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 0.64034 | 0.58808 | 0.99045 | 9.77441 | 0.00369 | 0.00672 | 59.0160 | 59.0227 | 0.00672 | 6.07945 | 6.08617 | —    | 1,900.91 | 1,900.91 | 0.06269 | 0.11185 | 5.40935 | 1,941.22 |
| Daily - Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| 2027                 | 0.57538 | 0.51498 | 1.23547 | 6.63494 | 0.00560 | 0.01601 | 69.8970 | 69.9037 | 0.01601 | 7.19887 | 7.20558 | —    | 1,922.38 | 1,922.38 | 0.07926 | 0.13388 | 0.16281 | 1,960.84 |
| 2028                 | 0.55148 | 0.48772 | 1.16007 | 6.16034 | 0.00369 | 0.00672 | 69.8970 | 69.9037 | 0.00672 | 7.19887 | 7.20558 | —    | 1,883.66 | 1,883.66 | 0.02858 | 0.11817 | 0.14681 | 1,919.74 |
| Average Daily        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

|        |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| 2027   | 0.33548 | 0.30280 | 0.67142 | 4.19867 | 0.00239 | 0.00468 | 35.1416 | 35.1463 | 0.00468 | 3.62177 | 3.62645 | — | 1,087.61 | 1,087.61 | 0.03777 | 0.07052 | 1.42254 | 1,110.99 |
| 2028   | 0.04318 | 0.03872 | 0.07732 | 0.56865 | 0.00022 | 0.00045 | 5.04282 | 5.04327 | 0.00045 | 0.51948 | 0.51992 | — | 143.375  | 143.375  | 0.00539 | 0.00808 | 0.17712 | 146.094  |
| Annual | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| 2027   | 0.06122 | 0.05526 | 0.12253 | 0.76626 | 0.00044 | 0.00085 | 6.41335 | 6.41420 | 0.00085 | 0.66097 | 0.66183 | — | 180.067  | 180.067  | 0.00625 | 0.01168 | 0.23552 | 183.938  |
| 2028   | 0.00788 | 0.00707 | 0.01411 | 0.10378 | 0.00004 | 0.00008 | 0.92031 | 0.92040 | 0.00008 | 0.09480 | 0.09489 | — | 23.7373  | 23.7373  | 0.00089 | 0.00134 | 0.02932 | 24.1876  |

## 2.3. Operations Emissions Compared Against Thresholds

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

| Un/Mit.             | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2    | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Unmit.              | 9.21157 | 8.90532 | 4.62325 | 32.6209 | 0.05315 | 0.17023 | 3.87693 | 4.04716 | 0.16729 | 0.98188 | 1.14917 | 84.7642 | 6,394.83 | 6,479.60 | 8.84564 | 0.26490 | 13.8953 | 6,793.57 |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Unmit.              | 7.64419 | 7.37382 | 4.78745 | 18.5913 | 0.04728 | 0.16640 | 3.87693 | 4.04332 | 0.16441 | 0.98188 | 1.14629 | 84.7642 | 5,814.18 | 5,898.94 | 8.86508 | 0.27255 | 1.41556 | 6,203.21 |
| Average Daily (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Unmit.              | 7.45916 | 7.23893 | 3.02844 | 21.7115 | 0.04484 | 0.08338 | 3.67406 | 3.75743 | 0.08102 | 0.93054 | 1.01156 | 84.7642 | 5,545.22 | 5,629.99 | 8.82852 | 0.25420 | 6.34223 | 5,932.79 |
| Annual (Max)        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Unmit.              | 1.36130 | 1.32111 | 0.55269 | 3.96234 | 0.00818 | 0.01522 | 0.67052 | 0.68573 | 0.01479 | 0.16982 | 0.18461 | 14.0337 | 918.075  | 932.109  | 1.46166 | 0.04209 | 1.05003 | 982.242  |
| Exceeds (Daily Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Threshold           | —       | 137.000 | 137.000 | 550.000 | 150.000 | —       | —       | 150.000 | —       | —       | 550.000 | —       | —        | —        | —       | —       | —       | —        |
| Unmit.              | —       | No      | No      | No      | No      | —       | —       | No      | —       | —       | No      | —       | —        | —        | —       | —       | —       | —        |

|                               |   |         |         |         |         |   |   |         |   |   |         |   |   |   |   |   |   |   |
|-------------------------------|---|---------|---------|---------|---------|---|---|---------|---|---|---------|---|---|---|---|---|---|---|
| Exceeds<br>(Average<br>Daily) | — | —       | —       | —       | —       | — | — | —       | — | — | —       | — | — | — | — | — | — | — |
| Threshold                     | — | 137.000 | 137.000 | 550.000 | 150.000 | — | — | 150.000 | — | — | 550.000 | — | — | — | — | — | — | — |
| Unmit.                        | — | No      | No      | No      | No      | — | — | No      | — | — | No      | — | — | — | — | — | — | — |

## 2.4. Operations Emissions by Sector, Unmitigated

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

| Sector                    | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2    | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|----------|
| Daily,<br>Summer<br>(Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Mobile                    | 3.91332 | 3.73890 | 2.24416 | 22.9805 | 0.04666 | 0.03187 | 3.87693 | 3.90880 | 0.02989 | 0.98188 | 1.01177 | —       | 4,749.33 | 4,749.33 | 0.19187 | 0.22127 | 12.8119 | 4,832.88 |
| Area                      | 4.52212 | 4.48263 | 0.07306 | 7.75017 | 0.00034 | 0.00387 | —       | 0.00387 | 0.00292 | —       | 0.00292 | 0.00000 | 20.9613  | 20.9613  | 0.00088 | 0.00017 | —       | 21.0351  |
| Energy                    | 0.05489 | 0.02744 | 0.47134 | 0.21648 | 0.00299 | 0.03792 | —       | 0.03792 | 0.03792 | —       | 0.03792 | —       | 1,261.96 | 1,261.96 | 0.13282 | 0.01083 | —       | 1,268.51 |
| Water                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 12.1505 | 26.7720  | 38.9225  | 1.24911 | 0.02999 | —       | 79.0880  |
| Waste                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 72.6137 | 0.00000  | 72.6137  | 7.25748 | 0.00000 | —       | 254.051  |
| Refrig.                   | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | 1.08336 | 1.08336  |
| Stationary                | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806  | 335.806  | 0.01348 | 0.00263 | 0.00000 | 336.927  |
| Total                     | 9.21157 | 8.90532 | 4.62325 | 32.6209 | 0.05315 | 0.17023 | 3.87693 | 4.04716 | 0.16729 | 0.98188 | 1.14917 | 84.7642 | 6,394.83 | 6,479.60 | 8.84564 | 0.26490 | 13.8953 | 6,793.57 |
| Daily,<br>Winter<br>(Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Mobile                    | 3.07449 | 2.89648 | 2.48142 | 16.7010 | 0.04113 | 0.03191 | 3.87693 | 3.90884 | 0.02993 | 0.98188 | 1.01181 | —       | 4,189.64 | 4,189.64 | 0.21218 | 0.22909 | 0.33220 | 4,263.55 |
| Area                      | 3.79356 | 3.79356 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —       | 0.00000 | 0.00000 | —       | 0.00000 | 0.00000 | 0.00000  | 0.00000  | 0.00000 | 0.00000 | —       | 0.00000  |
| Energy                    | 0.05489 | 0.02744 | 0.47134 | 0.21648 | 0.00299 | 0.03792 | —       | 0.03792 | 0.03792 | —       | 0.03792 | —       | 1,261.96 | 1,261.96 | 0.13282 | 0.01083 | —       | 1,268.51 |
| Water                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 12.1505 | 26.7720  | 38.9225  | 1.24911 | 0.02999 | —       | 79.0880  |
| Waste                     | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 72.6137 | 0.00000  | 72.6137  | 7.25748 | 0.00000 | —       | 254.051  |
| Refrig.                   | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | 1.08336 | 1.08336  |

|                  |         |         |         |         |         |         |         |         |         |         |         |         |          |          |         |         |         |          |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|----------|
| Stationa         | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806  | 335.806  | 0.01348 | 0.00263 | 0.00000 | 336.927  |
| Total            | 7.64419 | 7.37382 | 4.78745 | 18.5913 | 0.04728 | 0.16640 | 3.87693 | 4.04332 | 0.16441 | 0.98188 | 1.14629 | 84.7642 | 5,814.18 | 5,898.94 | 8.86508 | 0.27255 | 1.41556 | 6,203.21 |
| Average<br>Daily | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Mobile           | 3.15262 | 2.98821 | 2.26975 | 17.4437 | 0.04125 | 0.03032 | 3.67406 | 3.70437 | 0.02843 | 0.93054 | 0.95897 | —       | 4,200.15 | 4,200.15 | 0.18683 | 0.21293 | 5.25887 | 4,273.53 |
| Area             | 4.15285 | 4.13337 | 0.03603 | 3.82200 | 0.00017 | 0.00191 | —       | 0.00191 | 0.00144 | —       | 0.00144 | 0.00000 | 10.3371  | 10.3371  | 0.00043 | 0.00009 | —       | 10.3735  |
| Energy           | 0.05489 | 0.02744 | 0.47134 | 0.21648 | 0.00299 | 0.03792 | —       | 0.03792 | 0.03792 | —       | 0.03792 | —       | 1,261.96 | 1,261.96 | 0.13282 | 0.01083 | —       | 1,268.51 |
| Water            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 12.1505 | 26.7720  | 38.9225  | 1.24911 | 0.02999 | —       | 79.0880  |
| Waste            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 72.6137 | 0.00000  | 72.6137  | 7.25748 | 0.00000 | —       | 254.051  |
| Refrig.          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | 1.08336 | 1.08336  |
| Stationa<br>ry   | 0.09880 | 0.08991 | 0.25133 | 0.22928 | 0.00043 | 0.01323 | 0.00000 | 0.01323 | 0.01323 | 0.00000 | 0.01323 | 0.00000 | 46.0008  | 46.0008  | 0.00185 | 0.00036 | 0.00000 | 46.1543  |
| Total            | 7.45916 | 7.23893 | 3.02844 | 21.7115 | 0.04484 | 0.08338 | 3.67406 | 3.75743 | 0.08102 | 0.93054 | 1.01156 | 84.7642 | 5,545.22 | 5,629.99 | 8.82852 | 0.25420 | 6.34223 | 5,932.79 |
| Annual           | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | —       | —        |
| Mobile           | 0.57535 | 0.54535 | 0.41423 | 3.18348 | 0.00753 | 0.00553 | 0.67052 | 0.67605 | 0.00519 | 0.16982 | 0.17501 | —       | 695.383  | 695.383  | 0.03093 | 0.03525 | 0.87067 | 707.532  |
| Area             | 0.75789 | 0.75434 | 0.00658 | 0.69751 | 0.00003 | 0.00035 | —       | 0.00035 | 0.00026 | —       | 0.00026 | 0.00000 | 1.71142  | 1.71142  | 0.00007 | 0.00001 | —       | 1.71745  |
| Energy           | 0.01002 | 0.00501 | 0.08602 | 0.03951 | 0.00055 | 0.00692 | —       | 0.00692 | 0.00692 | —       | 0.00692 | —       | 208.932  | 208.932  | 0.02199 | 0.00179 | —       | 210.016  |
| Water            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 2.01165 | 4.43242  | 6.44407  | 0.20680 | 0.00497 | —       | 13.0939  |
| Waste            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | 12.0220 | 0.00000  | 12.0220  | 1.20156 | 0.00000 | —       | 42.0610  |
| Refrig.          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —        | —        | —       | —       | 0.17936 | 0.17936  |
| Stationa<br>ry   | 0.01803 | 0.01641 | 0.04587 | 0.04184 | 0.00008 | 0.00241 | 0.00000 | 0.00241 | 0.00241 | 0.00000 | 0.00241 | 0.00000 | 7.61595  | 7.61595  | 0.00031 | 0.00006 | 0.00000 | 7.64138  |
| Total            | 1.36130 | 1.32111 | 0.55269 | 3.96234 | 0.00818 | 0.01522 | 0.67052 | 0.68573 | 0.01479 | 0.16982 | 0.18461 | 14.0337 | 918.075  | 932.109  | 1.46166 | 0.04209 | 1.05003 | 982.242  |

### 3. Construction Emissions Details

#### 3.1. Demolition (2027)

##### 3.1.1. Onsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 2.63907 | 2.21478 | 19.9005 | 18.6307 | 0.03253 | 0.79594 | —       | 0.79594 | 0.73226 | —       | 0.73226 | —    | 3,426.90 | 3,426.90 | 0.13901 | 0.02780 | —       | 3,438.66 |
| Demolition          | —       | —       | —       | —       | —       | —       | 0.68724 | 0.68724 | —       | 0.10407 | 0.10407 | —    | —        | —        | —       | —       | —       | —        |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.14461 | 0.12136 | 1.09044 | 1.02086 | 0.00178 | 0.04361 | —       | 0.04361 | 0.04012 | —       | 0.04012 | —    | 187.775  | 187.775  | 0.00762 | 0.00152 | —       | 188.420  |
| Demolition          | —       | —       | —       | —       | —       | —       | 0.03766 | 0.03766 | —       | 0.00570 | 0.00570 | —    | —        | —        | —       | —       | —       | —        |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.02639 | 0.02215 | 0.19901 | 0.18631 | 0.00033 | 0.00796 | —       | 0.00796 | 0.00732 | —       | 0.00732 | —    | 31.0883  | 31.0883  | 0.00126 | 0.00025 | —       | 31.1950  |
| Demolition          | —       | —       | —       | —       | —       | —       | 0.00687 | 0.00687 | —       | 0.00104 | 0.00104 | —    | —        | —        | —       | —       | —       | —        |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

## 3.1.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.07126 | 0.06382 | 0.09111 | 0.82227 | 0.00000 | 0.00000 | 8.36073 | 8.36073 | 0.00000 | 0.86013 | 0.86013 | —    | 188.263 | 188.263 | 0.00942 | 0.00744 | 0.01750 | 190.733 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.02347 | 0.01521 | 0.96007 | 0.22541 | 0.00560 | 0.01601 | 7.33917 | 7.35518 | 0.01601 | 0.77144 | 0.78745 | —    | 786.995 | 786.995 | 0.00747 | 0.12644 | 0.04066 | 824.902 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00451 | 0.00410 | 0.00462 | 0.05716 | 0.00000 | 0.00000 | 0.45220 | 0.45220 | 0.00000 | 0.04654 | 0.04654 | —    | 11.0883 | 11.0883 | 0.00048 | 0.00039 | 0.01601 | 11.2324 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00134 | 0.00088 | 0.05157 | 0.01219 | 0.00031 | 0.00088 | 0.39699 | 0.39786 | 0.00088 | 0.04175 | 0.04263 | —    | 43.1028 | 43.1028 | 0.00041 | 0.00693 | 0.03708 | 45.2148 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00082 | 0.00075 | 0.00084 | 0.01043 | 0.00000 | 0.00000 | 0.08253 | 0.08253 | 0.00000 | 0.00849 | 0.00849 | —    | 1.83580 | 1.83580 | 0.00008 | 0.00006 | 0.00265 | 1.85965 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00025 | 0.00016 | 0.00941 | 0.00222 | 0.00006 | 0.00016 | 0.07245 | 0.07261 | 0.00016 | 0.00762 | 0.00778 | —    | 7.13616 | 7.13616 | 0.00007 | 0.00115 | 0.00614 | 7.48582 |

## 3.2. Site Preparation (2027)

## 3.2.1. Onsite - Unmitigated

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

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

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 3.63178 | 3.05170 | 27.9724 | 28.2794 | 0.04891 | 1.17173 | —       | 1.17173 | 1.07799 | —       | 1.07799 | — | 5,297.82 | 5,297.82 | 0.21490 | 0.04298 | —       | 5,316.00 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 9.82850 | 9.82850 | —       | 5.05122 | 5.05122 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 0.09950 | 0.08361 | 0.76637 | 0.77478 | 0.00134 | 0.03210 | —       | 0.03210 | 0.02953 | —       | 0.02953 | — | 145.146  | 145.146  | 0.00589 | 0.00118 | —       | 145.644  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.26927 | 0.26927 | —       | 0.13839 | 0.13839 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 0.01816 | 0.01526 | 0.13986 | 0.14140 | 0.00024 | 0.00586 | —       | 0.00586 | 0.00539 | —       | 0.00539 | — | 24.0305  | 24.0305  | 0.00097 | 0.00019 | —       | 24.1130  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.04914 | 0.04914 | —       | 0.02526 | 0.02526 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

### 3.2.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.08314 | 0.07446 | 0.10629 | 0.95931 | 0.00000 | 0.00000 | 9.75418 | 9.75418 | 0.00000 | 1.00349 | 1.00349 | —    | 219.640 | 219.640 | 0.01100 | 0.00868 | 0.02041 | 222.522 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00263 | 0.00239 | 0.00270 | 0.03334 | 0.00000 | 0.00000 | 0.26379 | 0.26379 | 0.00000 | 0.02715 | 0.02715 | —    | 6.46818 | 6.46818 | 0.00028 | 0.00023 | 0.00934 | 6.55224 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00048 | 0.00044 | 0.00049 | 0.00609 | 0.00000 | 0.00000 | 0.04814 | 0.04814 | 0.00000 | 0.00495 | 0.00495 | —    | 1.07088 | 1.07088 | 0.00005 | 0.00004 | 0.00155 | 1.08480 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.3. Grading (2027)

#### 3.3.1. Onsite - Unmitigated

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

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

|                             |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Daily, Winter (Max)         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 1.88795 | 1.58640 | 14.2321 | 17.2743 | 0.02733 | 0.59767 | —       | 0.59767 | 0.54986 | —       | 0.54986 | — | 2,960.07 | 2,960.07 | 0.12007 | 0.02401 | —       | 2,970.23 |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 3.54129 | 3.54129 | —       | 1.71237 | 1.71237 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily               | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 0.10345 | 0.08693 | 0.77984 | 0.94654 | 0.00150 | 0.03275 | —       | 0.03275 | 0.03013 | —       | 0.03013 | — | 162.196  | 162.196  | 0.00658 | 0.00132 | —       | 162.752  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.19404 | 0.19404 | —       | 0.09383 | 0.09383 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual                      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment          | 0.01888 | 0.01586 | 0.14232 | 0.17274 | 0.00027 | 0.00598 | —       | 0.00598 | 0.00550 | —       | 0.00550 | — | 26.8534  | 26.8534  | 0.00109 | 0.00022 | —       | 26.9455  |
| Dust From Material Movement | —       | —       | —       | —       | —       | —       | 0.03541 | 0.03541 | —       | 0.01712 | 0.01712 | — | —        | —        | —       | —       | —       | —        |
| Onsite truck                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

### 3.3.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.07126 | 0.06382 | 0.09111 | 0.82227 | 0.00000 | 0.00000 | 8.36073 | 8.36073 | 0.00000 | 0.86013 | 0.86013 | —    | 188.263 | 188.263 | 0.00942 | 0.00744 | 0.01750 | 190.733 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00451 | 0.00410 | 0.00462 | 0.05716 | 0.00000 | 0.00000 | 0.45220 | 0.45220 | 0.00000 | 0.04654 | 0.04654 | —    | 11.0883 | 11.0883 | 0.00048 | 0.00039 | 0.01601 | 11.2324 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00082 | 0.00075 | 0.00084 | 0.01043 | 0.00000 | 0.00000 | 0.08253 | 0.08253 | 0.00000 | 0.00849 | 0.00849 | —    | 1.83580 | 1.83580 | 0.00008 | 0.00006 | 0.00265 | 1.85965 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.4. Building Construction (2027)

#### 3.4.1. Onsite - Unmitigated

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

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

|                     |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road Equipment  | 1.23076 | 1.02988 | 9.39093 | 12.9379 | 0.02340 | 0.33657 | —       | 0.33657 | 0.30965 | —       | 0.30965 | — | 2,397.08 | 2,397.08 | 0.09724 | 0.01945 | —       | 2,405.30 |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 1.23076 | 1.02988 | 9.39093 | 12.9379 | 0.02340 | 0.33657 | —       | 0.33657 | 0.30965 | —       | 0.30965 | — | 2,397.08 | 2,397.08 | 0.09724 | 0.01945 | —       | 2,405.30 |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.69606 | 0.58246 | 5.31111 | 7.31716 | 0.01323 | 0.19035 | —       | 0.19035 | 0.17512 | —       | 0.17512 | — | 1,355.69 | 1,355.69 | 0.05499 | 0.01100 | —       | 1,360.34 |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.12703 | 0.10630 | 0.96928 | 1.33538 | 0.00241 | 0.03474 | —       | 0.03474 | 0.03196 | —       | 0.03196 | — | 224.449  | 224.449  | 0.00910 | 0.00182 | —       | 225.220  |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

### 3.4.2. Offsite - Unmitigated

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

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

|                     |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Worker              | 0.61544 | 0.56917 | 0.51323 | 9.56514 | 0.00000 | 0.00000 | 54.4049 | 54.4049 | 0.00000 | 5.59707 | 5.59707 | — | 1,449.00 | 1,449.00 | 0.05703 | 0.04842 | 4.40055 | 1,469.26 |
| Vendor              | 0.02490 | 0.01890 | 0.47722 | 0.20927 | 0.00369 | 0.00672 | 4.61107 | 4.61778 | 0.00672 | 0.48238 | 0.48910 | — | 451.909  | 451.909  | 0.00566 | 0.06343 | 1.00880 | 471.962  |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker              | 0.46373 | 0.41531 | 0.59285 | 5.35067 | 0.00000 | 0.00000 | 54.4049 | 54.4049 | 0.00000 | 5.59707 | 5.59707 | — | 1,225.06 | 1,225.06 | 0.06133 | 0.04842 | 0.11386 | 1,241.14 |
| Vendor              | 0.01890 | 0.01660 | 0.52405 | 0.21414 | 0.00369 | 0.00672 | 4.61107 | 4.61778 | 0.00672 | 0.48238 | 0.48910 | — | 452.301  | 452.301  | 0.00566 | 0.06376 | 0.02618 | 471.469  |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker              | 0.30304 | 0.27565 | 0.31034 | 3.83908 | 0.00000 | 0.00000 | 30.3716 | 30.3716 | 0.00000 | 3.12547 | 3.12547 | — | 744.730  | 744.730  | 0.03225 | 0.02617 | 1.07535 | 754.409  |
| Vendor              | 0.01315 | 0.00995 | 0.29113 | 0.12003 | 0.00209 | 0.00380 | 2.57428 | 2.57808 | 0.00380 | 0.26944 | 0.27324 | — | 255.674  | 255.674  | 0.00320 | 0.03587 | 0.24642 | 266.691  |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Worker              | 0.05530 | 0.05031 | 0.05664 | 0.70063 | 0.00000 | 0.00000 | 5.54282 | 5.54282 | 0.00000 | 0.57040 | 0.57040 | — | 123.299  | 123.299  | 0.00534 | 0.00433 | 0.17804 | 124.901  |
| Vendor              | 0.00240 | 0.00182 | 0.05313 | 0.02191 | 0.00038 | 0.00069 | 0.46981 | 0.47050 | 0.00069 | 0.04917 | 0.04987 | — | 42.3297  | 42.3297  | 0.00053 | 0.00594 | 0.04080 | 44.1537  |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

### 3.5. Building Construction (2028)

#### 3.5.1. Onsite - Unmitigated

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

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

|                    |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Off-Road           | 1.18481 | 0.99143 | 8.92495 | 12.9352 | 0.02340 | 0.30024 | —       | 0.30024 | 0.27622 | —       | 0.27622 | — | 2,397.46 | 2,397.46 | 0.09725 | 0.01945 | —       | 2,405.68 |
| Onsite truck       | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment | 0.07883 | 0.06597 | 0.59383 | 0.86066 | 0.00156 | 0.01998 | —       | 0.01998 | 0.01838 | —       | 0.01838 | — | 159.518  | 159.518  | 0.00647 | 0.00129 | —       | 160.065  |
| Onsite truck       | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Annual             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment | 0.01439 | 0.01204 | 0.10837 | 0.15707 | 0.00028 | 0.00365 | —       | 0.00365 | 0.00335 | —       | 0.00335 | — | 26.4100  | 26.4100  | 0.00107 | 0.00021 | —       | 26.5006  |
| Onsite truck       | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

### 3.5.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Worker              | 0.44436 | 0.39595 | 0.54873 | 4.96548 | 0.00000 | 0.00000 | 54.4049 | 54.4049 | 0.00000 | 5.59707 | 5.59707 | —    | 1,202.29 | 1,202.29 | 0.01937 | 0.04842 | 0.10361 | 1,217.31 |
| Vendor              | 0.01825 | 0.01258 | 0.50159 | 0.20176 | 0.00369 | 0.00672 | 4.61107 | 4.61778 | 0.00672 | 0.48238 | 0.48910 | —    | 440.910  | 440.910  | 0.00534 | 0.06007 | 0.02248 | 458.967  |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

|         |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Worker  | 0.03157 | 0.02849 | 0.03358 | 0.41880 | 0.00000 | 0.00000 | 3.57313 | 3.57313 | 0.00000 | 0.36770 | 0.36770 | — | 85.9773 | 85.9773 | 0.00379 | 0.00308 | 0.11477 | 87.1043 |
| Vendor  | 0.00130 | 0.00092 | 0.03278 | 0.01310 | 0.00022 | 0.00045 | 0.30286 | 0.30330 | 0.00045 | 0.03170 | 0.03215 | — | 29.3208 | 29.3208 | 0.00035 | 0.00400 | 0.02487 | 30.5456 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual  | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Worker  | 0.00576 | 0.00520 | 0.00613 | 0.07643 | 0.00000 | 0.00000 | 0.65210 | 0.65210 | 0.00000 | 0.06711 | 0.06711 | — | 14.2345 | 14.2345 | 0.00063 | 0.00051 | 0.01900 | 14.4211 |
| Vendor  | 0.00024 | 0.00017 | 0.00598 | 0.00239 | 0.00004 | 0.00008 | 0.05527 | 0.05535 | 0.00008 | 0.00579 | 0.00587 | — | 4.85439 | 4.85439 | 0.00006 | 0.00066 | 0.00412 | 5.05718 |
| Hauling | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.6. Paving (2028)

#### 3.6.1. Onsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.81550 | 0.68524 | 6.62754 | 9.90989 | 0.01395 | 0.25554 | —       | 0.25554 | 0.23510 | —       | 0.23510 | —    | 1,511.03 | 1,511.03 | 0.06129 | 0.01226 | —       | 1,516.22 |
| Paving              | 0.45326 | 0.45326 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Onsite truck        | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Off-Road Equipment  | 0.04468 | 0.03755 | 0.36315 | 0.54301 | 0.00076 | 0.01400 | —       | 0.01400 | 0.01288 | —       | 0.01288 | —    | 82.7962  | 82.7962  | 0.00336 | 0.00067 | —       | 83.0803  |
| Paving              | 0.02484 | 0.02484 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |

|                    |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Onsite truck       | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual             | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment | 0.00815 | 0.00685 | 0.06628 | 0.09910 | 0.00014 | 0.00256 | —       | 0.00256 | 0.00235 | —       | 0.00235 | — | 13.7079 | 13.7079 | 0.00056 | 0.00011 | —       | 13.7549 |
| Paving             | 0.00453 | 0.00453 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Onsite truck       | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.6.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.06829 | 0.06085 | 0.08433 | 0.76307 | 0.00000 | 0.00000 | 8.36073 | 8.36073 | 0.00000 | 0.86013 | 0.86013 | —    | 184.764 | 184.764 | 0.00298 | 0.00744 | 0.01592 | 187.071 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00400 | 0.00361 | 0.00425 | 0.05300 | 0.00000 | 0.00000 | 0.45220 | 0.45220 | 0.00000 | 0.04654 | 0.04654 | —    | 10.8810 | 10.8810 | 0.00048 | 0.00039 | 0.01452 | 11.0236 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00073 | 0.00066 | 0.00078 | 0.00967 | 0.00000 | 0.00000 | 0.08253 | 0.08253 | 0.00000 | 0.00849 | 0.00849 | —    | 1.80147 | 1.80147 | 0.00008 | 0.00006 | 0.00240 | 1.82509 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.7. Architectural Coating (2027)

#### 3.7.1. Onsite - Unmitigated

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

| Location               | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment     | 0.13715 | 0.11335 | 0.83116 | 1.12539 | 0.00173 | 0.01905 | —       | 0.01905 | 0.01752 | —       | 0.01752 | —    | 133.513 | 133.513 | 0.00542 | 0.00108 | —       | 133.971 |
| Architectural Coatings | 41.6920 | 41.6920 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment     | 0.00805 | 0.00665 | 0.04880 | 0.06607 | 0.00010 | 0.00112 | —       | 0.00112 | 0.00103 | —       | 0.00103 | —    | 7.83832 | 7.83832 | 0.00032 | 0.00006 | —       | 7.86522 |
| Architectural Coatings | 2.44767 | 2.44767 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |

|                        |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Off-Road Equipm        | 0.00147 | 0.00121 | 0.00891 | 0.01206 | 0.00002 | 0.00020 | —       | 0.00020 | 0.00019 | —       | 0.00019 | — | 1.29772 | 1.29772 | 0.00005 | 0.00001 | —       | 1.30218 |
| Architectural Coatings | 0.44670 | 0.44670 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.7.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.09275 | 0.08306 | 0.11857 | 1.07013 | 0.00000 | 0.00000 | 10.8810 | 10.8810 | 0.00000 | 1.11941 | 1.11941 | —    | 245.013 | 245.013 | 0.01227 | 0.00968 | 0.02277 | 248.228 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00629 | 0.00572 | 0.00644 | 0.07970 | 0.00000 | 0.00000 | 0.63055 | 0.63055 | 0.00000 | 0.06489 | 0.06489 | —    | 15.4615 | 15.4615 | 0.00067 | 0.00054 | 0.02233 | 15.6625 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00115 | 0.00104 | 0.00118 | 0.01455 | 0.00000 | 0.00000 | 0.11508 | 0.11508 | 0.00000 | 0.01184 | 0.01184 | —    | 2.55983 | 2.55983 | 0.00011 | 0.00009 | 0.00370 | 2.59310 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.8. Architectural Coating (2028)

#### 3.8.1. Onsite - Unmitigated

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

| Location               | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment     | 0.12985 | 0.10731 | 0.80814 | 1.11833 | 0.00173 | 0.01536 | —       | 0.01536 | 0.01413 | —       | 0.01413 | —    | 133.517 | 133.517 | 0.00542 | 0.00108 | —       | 133.975 |
| Architectural Coatings | 41.6920 | 41.6920 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily          | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Off-Road Equipment     | 0.00864 | 0.00714 | 0.05377 | 0.07441 | 0.00011 | 0.00102 | —       | 0.00102 | 0.00094 | —       | 0.00094 | —    | 8.88372 | 8.88372 | 0.00036 | 0.00007 | —       | 8.91420 |
| Architectural Coatings | 2.77403 | 2.77403 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual                 | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |

|                        |         |         |         |         |         |         |         |         |         |         |         |   |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---------|
| Off-Road Equipm        | 0.00158 | 0.00130 | 0.00981 | 0.01358 | 0.00002 | 0.00019 | —       | 0.00019 | 0.00017 | —       | 0.00017 | — | 1.47080 | 1.47080 | 0.00006 | 0.00001 | —       | 1.47585 |
| Architectural Coatings | 0.50626 | 0.50626 | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —       | —       | —       | —       | —       | —       |
| Onsite truck           | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

### 3.8.2. Offsite - Unmitigated

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

| Location            | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|
| Daily, Summer (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Daily, Winter (Max) | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.08887 | 0.07919 | 0.10975 | 0.99310 | 0.00000 | 0.00000 | 10.8810 | 10.8810 | 0.00000 | 1.11941 | 1.11941 | —    | 240.459 | 240.459 | 0.00387 | 0.00968 | 0.02072 | 243.462 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Average Daily       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00631 | 0.00570 | 0.00672 | 0.08376 | 0.00000 | 0.00000 | 0.71463 | 0.71463 | 0.00000 | 0.07354 | 0.07354 | —    | 17.1955 | 17.1955 | 0.00076 | 0.00062 | 0.02295 | 17.4209 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Annual              | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —       | —       | —       | —       | —       | —       |
| Worker              | 0.00115 | 0.00104 | 0.00123 | 0.01529 | 0.00000 | 0.00000 | 0.13042 | 0.13042 | 0.00000 | 0.01342 | 0.01342 | —    | 2.84690 | 2.84690 | 0.00013 | 0.00010 | 0.00380 | 2.88422 |
| Vendor              | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Hauling             | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

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

| Land Use                   | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2 | NBCO2    | CO2T     | CH4     | N2O     | R       | CO2e     |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----------|----------|---------|---------|---------|----------|
| Daily, Summer (Max)        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Apartments Mid Rise        | 3.91332 | 3.73890 | 2.24416 | 22.9805 | 0.04666 | 0.03187 | 3.87693 | 3.90880 | 0.02989 | 0.98188 | 1.01177 | —    | 4,749.33 | 4,749.33 | 0.19187 | 0.22127 | 12.8119 | 4,832.88 |
| Recreational Swimming Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Health Club                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Total                      | 3.91332 | 3.73890 | 2.24416 | 22.9805 | 0.04666 | 0.03187 | 3.87693 | 3.90880 | 0.02989 | 0.98188 | 1.01177 | —    | 4,749.33 | 4,749.33 | 0.19187 | 0.22127 | 12.8119 | 4,832.88 |
| Daily, Winter (Max)        | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —    | —        | —        | —       | —       | —       | —        |
| Apartments Mid Rise        | 3.07449 | 2.89648 | 2.48142 | 16.7010 | 0.04113 | 0.03191 | 3.87693 | 3.90884 | 0.02993 | 0.98188 | 1.01181 | —    | 4,189.64 | 4,189.64 | 0.21218 | 0.22909 | 0.33220 | 4,263.55 |
| Recreational Swimming Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Health Club                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —    | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |

|                                  |         |         |         |         |         |         |         |         |         |         |         |   |          |          |         |         |         |          |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|----------|----------|---------|---------|---------|----------|
| Total                            | 3.07449 | 2.89648 | 2.48142 | 16.7010 | 0.04113 | 0.03191 | 3.87693 | 3.90884 | 0.02993 | 0.98188 | 1.01181 | — | 4,189.64 | 4,189.64 | 0.21218 | 0.22909 | 0.33220 | 4,263.55 |
| Annual                           | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | — | —        | —        | —       | —       | —       | —        |
| Apartments<br>Mid Rise           | 0.57535 | 0.54535 | 0.41423 | 3.18348 | 0.00753 | 0.00553 | 0.67052 | 0.67605 | 0.00519 | 0.16982 | 0.17501 | — | 695.383  | 695.383  | 0.03093 | 0.03525 | 0.87067 | 707.532  |
| Recreational<br>Swimming<br>Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Health<br>Club                   | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000  | 0.00000  | 0.00000 | 0.00000 | 0.00000 | 0.00000  |
| Total                            | 0.57535 | 0.54535 | 0.41423 | 3.18348 | 0.00753 | 0.00553 | 0.67052 | 0.67605 | 0.00519 | 0.16982 | 0.17501 | — | 695.383  | 695.383  | 0.03093 | 0.03525 | 0.87067 | 707.532  |

## 4.2. Energy

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

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

| Land Use                         | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2   | CO2T    | CH4     | N2O     | R | CO2e    |
|----------------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|---------|---------|---------|---------|---|---------|
| Daily,<br>Summer<br>(Max)        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —       | —       | —       | —       | — | —       |
| Apartments<br>Mid Rise           | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 566.085 | 566.085 | 0.06805 | 0.00825 | — | 570.244 |
| Recreational<br>Swimming<br>Pool | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health<br>Club                   | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 100.517 | 100.517 | 0.01208 | 0.00146 | — | 101.255 |
| Total                            | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | 666.602 | 666.602 | 0.08013 | 0.00971 | — | 671.500 |

|                            |   |   |   |   |   |   |   |   |   |   |   |   |         |         |         |         |   |         |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|---------|---|---------|
| Daily, Winter (Max)        | — | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | — | 566.085 | 566.085 | 0.06805 | 0.00825 | — | 570.244 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | — | 100.517 | 100.517 | 0.01208 | 0.00146 | — | 101.255 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | — | 666.602 | 666.602 | 0.08013 | 0.00971 | — | 671.500 |
| Annual                     | — | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | — | 93.7218 | 93.7218 | 0.01127 | 0.00137 | — | 94.4105 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | — | 16.6417 | 16.6417 | 0.00200 | 0.00024 | — | 16.7640 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | — | 110.364 | 110.364 | 0.01327 | 0.00161 | — | 111.174 |

#### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

|                                  |         |         |         |         |         |         |   |         |         |   |         |   |         |         |         |         |   |         |
|----------------------------------|---------|---------|---------|---------|---------|---------|---|---------|---------|---|---------|---|---------|---------|---------|---------|---|---------|
| Apartments<br>Mid Rise           | 0.05066 | 0.02533 | 0.43295 | 0.18423 | 0.00276 | 0.03500 | — | 0.03500 | 0.03500 | — | 0.03500 | — | 549.550 | 549.550 | 0.04863 | 0.00103 | — | 551.075 |
| Recreational<br>Swimming<br>Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health<br>Club                   | 0.00422 | 0.00211 | 0.03839 | 0.03225 | 0.00023 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 45.8077 | 45.8077 | 0.00405 | 0.00009 | — | 45.9347 |
| Total                            | 0.05489 | 0.02744 | 0.47134 | 0.21648 | 0.00299 | 0.03792 | — | 0.03792 | 0.03792 | — | 0.03792 | — | 595.358 | 595.358 | 0.05269 | 0.00112 | — | 597.009 |
| Daily,<br>Winter<br>(Max)        | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | — | —       | —       | —       | —       | — | —       |
| Apartments<br>Mid Rise           | 0.05066 | 0.02533 | 0.43295 | 0.18423 | 0.00276 | 0.03500 | — | 0.03500 | 0.03500 | — | 0.03500 | — | 549.550 | 549.550 | 0.04863 | 0.00103 | — | 551.075 |
| Recreational<br>Swimming<br>Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health<br>Club                   | 0.00422 | 0.00211 | 0.03839 | 0.03225 | 0.00023 | 0.00292 | — | 0.00292 | 0.00292 | — | 0.00292 | — | 45.8077 | 45.8077 | 0.00405 | 0.00009 | — | 45.9347 |
| Total                            | 0.05489 | 0.02744 | 0.47134 | 0.21648 | 0.00299 | 0.03792 | — | 0.03792 | 0.03792 | — | 0.03792 | — | 595.358 | 595.358 | 0.05269 | 0.00112 | — | 597.009 |
| Annual                           | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | — | —       | —       | —       | —       | — | —       |
| Apartments<br>Mid Rise           | 0.00925 | 0.00462 | 0.07901 | 0.03362 | 0.00050 | 0.00639 | — | 0.00639 | 0.00639 | — | 0.00639 | — | 90.9843 | 90.9843 | 0.00805 | 0.00017 | — | 91.2367 |
| Recreational<br>Swimming<br>Pool | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Health<br>Club                   | 0.00077 | 0.00039 | 0.00701 | 0.00589 | 0.00004 | 0.00053 | — | 0.00053 | 0.00053 | — | 0.00053 | — | 7.58399 | 7.58399 | 0.00067 | 0.00001 | — | 7.60502 |
| Total                            | 0.01002 | 0.00501 | 0.08602 | 0.03951 | 0.00055 | 0.00692 | — | 0.00692 | 0.00692 | — | 0.00692 | — | 98.5683 | 98.5683 | 0.00872 | 0.00019 | — | 98.8417 |

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

| Source                 | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D | PM10T   | PM2.5E  | PM2.5D | PM2.5T  | BCO2    | NBCO2   | CO2T    | CH4     | N2O     | R | CO2e    |
|------------------------|---------|---------|---------|---------|---------|---------|-------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---|---------|
| Daily, Summer (Max)    | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Hearths                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —     | 0.00000 | 0.00000 | —      | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Consumer Products      | 3.26812 | 3.26812 | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Architectural Coatings | 0.52543 | 0.52543 | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Landscape Equipment    | 0.72856 | 0.68907 | 0.07306 | 7.75017 | 0.00034 | 0.00387 | —     | 0.00387 | 0.00292 | —      | 0.00292 | —       | 20.9613 | 20.9613 | 0.00088 | 0.00017 | — | 21.0351 |
| Total                  | 4.52212 | 4.48263 | 0.07306 | 7.75017 | 0.00034 | 0.00387 | —     | 0.00387 | 0.00292 | —      | 0.00292 | 0.00000 | 20.9613 | 20.9613 | 0.00088 | 0.00017 | — | 21.0351 |
| Daily, Winter (Max)    | —       | —       | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Hearths                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —     | 0.00000 | 0.00000 | —      | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Consumer Products      | 3.26812 | 3.26812 | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Architectural Coatings | 0.52543 | 0.52543 | —       | —       | —       | —       | —     | —       | —       | —      | —       | —       | —       | —       | —       | —       | — | —       |
| Total                  | 3.79356 | 3.79356 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | —     | 0.00000 | 0.00000 | —      | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |

|                        |         |         |         |         |         |         |   |         |         |   |         |         |         |         |         |         |   |         |
|------------------------|---------|---------|---------|---------|---------|---------|---|---------|---------|---|---------|---------|---------|---------|---------|---------|---|---------|
| Annual                 | —       | —       | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —       | —       | —       | —       | — | —       |
| Hearths                | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | — | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | — | 0.00000 |
| Consumer Products      | 0.59643 | 0.59643 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —       | —       | —       | —       | — | —       |
| Architectural Coatings | 0.09589 | 0.09589 | —       | —       | —       | —       | — | —       | —       | — | —       | —       | —       | —       | —       | —       | — | —       |
| Landscape Equipment    | 0.06557 | 0.06202 | 0.00658 | 0.69751 | 0.00003 | 0.00035 | — | 0.00035 | 0.00026 | — | 0.00026 | —       | 1.71142 | 1.71142 | 0.00007 | 0.00001 | — | 1.71745 |
| Total                  | 0.75789 | 0.75434 | 0.00658 | 0.69751 | 0.00003 | 0.00035 | — | 0.00035 | 0.00026 | — | 0.00026 | 0.00000 | 1.71142 | 1.71142 | 0.00007 | 0.00001 | — | 1.71745 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

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

| Land Use                   | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2    | NBCO2   | CO2T    | CH4     | N2O     | R | CO2e    |
|----------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---|---------|
| Daily, Summer (Max)        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 11.4252 | 25.4233 | 36.8485 | 1.17458 | 0.02821 | — | 74.6181 |
| Recreational Swimming Pool | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.22666 | 0.42148 | 0.64814 | 0.02329 | 0.00056 | — | 1.39685 |
| Health Club                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | 0.49866 | 0.92725 | 1.42591 | 0.05124 | 0.00123 | — | 3.07306 |

|                            |   |   |   |   |   |   |   |   |   |   |   |         |         |         |         |         |   |         |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|---------|---------|---|---------|
| Total                      | — | — | — | — | — | — | — | — | — | — | — | 12.1505 | 26.7720 | 38.9225 | 1.24911 | 0.02999 | — | 79.0880 |
| Daily, Winter (Max)        | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | 11.4252 | 25.4233 | 36.8485 | 1.17458 | 0.02821 | — | 74.6181 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 0.22666 | 0.42148 | 0.64814 | 0.02329 | 0.00056 | — | 1.39685 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | 0.49866 | 0.92725 | 1.42591 | 0.05124 | 0.00123 | — | 3.07306 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | 12.1505 | 26.7720 | 38.9225 | 1.24911 | 0.02999 | — | 79.0880 |
| Annual                     | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | 1.89157 | 4.20912 | 6.10069 | 0.19446 | 0.00467 | — | 12.3539 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 0.03753 | 0.06978 | 0.10731 | 0.00386 | 0.00009 | — | 0.23126 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | 0.08256 | 0.15352 | 0.23608 | 0.00848 | 0.00020 | — | 0.50878 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | 2.01165 | 4.43242 | 6.44407 | 0.20680 | 0.00497 | — | 13.0939 |

### 4.5. Waste Emissions by Land Use

#### 4.5.1. Unmitigated

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

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

|                            |   |   |   |   |   |   |   |   |   |   |   |         |         |         |         |         |   |         |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|---------|---------|---|---------|
| Daily, Summer (Max)        | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | 52.9532 | 0.00000 | 52.9532 | 5.29248 | 0.00000 | — | 185.265 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 6.14390 | 0.00000 | 6.14390 | 0.61406 | 0.00000 | — | 21.4954 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | 13.5166 | 0.00000 | 13.5166 | 1.35093 | 0.00000 | — | 47.2899 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | 72.6137 | 0.00000 | 72.6137 | 7.25748 | 0.00000 | — | 254.051 |
| Daily, Winter (Max)        | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | 52.9532 | 0.00000 | 52.9532 | 5.29248 | 0.00000 | — | 185.265 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 6.14390 | 0.00000 | 6.14390 | 0.61406 | 0.00000 | — | 21.4954 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | 13.5166 | 0.00000 | 13.5166 | 1.35093 | 0.00000 | — | 47.2899 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | 72.6137 | 0.00000 | 72.6137 | 7.25748 | 0.00000 | — | 254.051 |
| Annual                     | — | — | — | — | — | — | — | — | — | — | — | —       | —       | —       | —       | —       | — | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | 8.76700 | 0.00000 | 8.76700 | 0.87623 | 0.00000 | — | 30.6728 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | 1.01719 | 0.00000 | 1.01719 | 0.10166 | 0.00000 | — | 3.55881 |

|             |   |   |   |   |   |   |   |   |   |   |   |         |         |         |         |         |   |         |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|---------|---------|---|---------|
| Health Club | — | — | — | — | — | — | — | — | — | — | — | 2.23782 | 0.00000 | 2.23782 | 0.22366 | 0.00000 | — | 7.82939 |
| Total       | — | — | — | — | — | — | — | — | — | — | — | 12.0220 | 0.00000 | 12.0220 | 1.20156 | 0.00000 | — | 42.0610 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

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

| Land Use                   | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R       | CO2e    |
|----------------------------|-----|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|-------|------|-----|-----|---------|---------|
| Daily, Summer (Max)        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —       | —       |
| Apartments Mid Rise        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 1.06224 | 1.06224 |
| Recreational Swimming Pool | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.00000 | 0.00000 |
| Health Club                | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.02112 | 0.02112 |
| Total                      | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 1.08336 | 1.08336 |
| Daily, Winter (Max)        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | —       | —       |
| Apartments Mid Rise        | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 1.06224 | 1.06224 |
| Recreational Swimming Pool | —   | —   | —   | —  | —   | —     | —     | —     | —      | —      | —      | —    | —     | —    | —   | —   | 0.00000 | 0.00000 |

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---------|
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.02112 | 0.02112 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.08336 | 1.08336 |
| Annual                     | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | —       | —       |
| Apartments Mid Rise        | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.17587 | 0.17587 |
| Recreational Swimming Pool | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00000 | 0.00000 |
| Health Club                | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00350 | 0.00350 |
| Total                      | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.17936 | 0.17936 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

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

# 4.8. Stationary Emissions By Equipment Type

## 4.8.1. Unmitigated

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

| Equipm<br>ent<br>Type          | TOG     | ROG     | NOx     | CO      | SO2     | PM10E   | PM10D   | PM10T   | PM2.5E  | PM2.5D  | PM2.5T  | BCO2    | NBCO2   | CO2T    | CH4     | N2O     | R       | CO2e    |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Daily,<br>Summer<br>(Max)      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |
| Emerge<br>ncy<br>Generat<br>or | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806 | 335.806 | 0.01348 | 0.00263 | 0.00000 | 336.927 |
| Total                          | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806 | 335.806 | 0.01348 | 0.00263 | 0.00000 | 336.927 |
| Daily,<br>Winter<br>(Max)      | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |
| Emerge<br>ncy<br>Generat<br>or | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806 | 335.806 | 0.01348 | 0.00263 | 0.00000 | 336.927 |
| Total                          | 0.72125 | 0.65634 | 1.83469 | 1.67375 | 0.00315 | 0.09656 | 0.00000 | 0.09656 | 0.09656 | 0.00000 | 0.09656 | 0.00000 | 335.806 | 335.806 | 0.01348 | 0.00263 | 0.00000 | 336.927 |
| Annual                         | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |
| Emerge<br>ncy<br>Generat<br>or | 0.01803 | 0.01641 | 0.04587 | 0.04184 | 0.00008 | 0.00241 | 0.00000 | 0.00241 | 0.00241 | 0.00000 | 0.00241 | 0.00000 | 7.61595 | 7.61595 | 0.00031 | 0.00006 | 0.00000 | 7.64138 |
| Total                          | 0.01803 | 0.01641 | 0.04587 | 0.04184 | 0.00008 | 0.00241 | 0.00000 | 0.00241 | 0.00241 | 0.00000 | 0.00241 | 0.00000 | 7.61595 | 7.61595 | 0.00031 | 0.00006 | 0.00000 | 7.64138 |

# 4.9. User Defined Emissions By Equipment Type

## 4.9.1. Unmitigated

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

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

#### 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

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

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

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

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

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

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

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

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

## 5. Activity Data

### 5.1. Construction Schedule

| Phase Name            | Phase Type            | Start Date | End Date  | Days Per Week | Work Days per Phase | Phase Description |
|-----------------------|-----------------------|------------|-----------|---------------|---------------------|-------------------|
| Demolition            | Demolition            | 1/4/2027   | 2/1/2027  | 5.00000       | 20.0000             | —                 |
| Site Preparation      | Site Preparation      | 2/2/2027   | 2/16/2027 | 5.00000       | 10.00000            | —                 |
| Grading               | Grading               | 2/17/2027  | 3/17/2027 | 5.00000       | 20.0000             | —                 |
| Building Construction | Building Construction | 3/18/2027  | 2/3/2028  | 5.00000       | 230.000             | —                 |
| Paving                | Paving                | 2/4/2028   | 3/3/2028  | 5.00000       | 20.0000             | —                 |
| Architectural Coating | Architectural Coating | 12/2/2027  | 2/3/2028  | 5.00000       | 46.0000             | —                 |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name            | Equipment Type             | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|----------------------------|-----------|-------------|----------------|---------------|------------|-------------|
| Demolition            | Concrete/Industrial Saws   | Diesel    | Average     | 1.000000       | 8.00000       | 33.0000    | 0.73000     |
| Demolition            | Excavators                 | Diesel    | Average     | 3.00000        | 8.00000       | 36.0000    | 0.38000     |
| Demolition            | Rubber Tired Dozers        | Diesel    | Average     | 2.00000        | 8.00000       | 367.000    | 0.40000     |
| Site Preparation      | Rubber Tired Dozers        | Diesel    | Average     | 3.00000        | 8.00000       | 367.000    | 0.40000     |
| Site Preparation      | Tractors/Loaders/Back hoes | Diesel    | Average     | 4.00000        | 8.00000       | 84.0000    | 0.37000     |
| Grading               | Excavators                 | Diesel    | Average     | 1.000000       | 8.00000       | 36.0000    | 0.38000     |
| Grading               | Graders                    | Diesel    | Average     | 1.000000       | 8.00000       | 148.000    | 0.41000     |
| Grading               | Rubber Tired Dozers        | Diesel    | Average     | 1.000000       | 8.00000       | 367.000    | 0.40000     |
| Grading               | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00000        | 8.00000       | 84.0000    | 0.37000     |
| Building Construction | Cranes                     | Diesel    | Average     | 1.000000       | 7.00000       | 367.000    | 0.29000     |
| Building Construction | Forklifts                  | Diesel    | Average     | 3.00000        | 8.00000       | 82.0000    | 0.20000     |
| Building Construction | Generator Sets             | Diesel    | Average     | 1.000000       | 8.00000       | 14.0000    | 0.74000     |
| Building Construction | Tractors/Loaders/Back hoes | Diesel    | Average     | 3.00000        | 7.00000       | 84.0000    | 0.37000     |
| Building Construction | Welders                    | Diesel    | Average     | 1.000000       | 8.00000       | 46.0000    | 0.45000     |
| Paving                | Pavers                     | Diesel    | Average     | 2.00000        | 8.00000       | 81.0000    | 0.42000     |
| Paving                | Paving Equipment           | Diesel    | Average     | 2.00000        | 8.00000       | 89.0000    | 0.36000     |
| Paving                | Rollers                    | Diesel    | Average     | 2.00000        | 8.00000       | 36.0000    | 0.38000     |
| Architectural Coating | Air Compressors            | Diesel    | Average     | 1.000000       | 6.00000       | 37.0000    | 0.48000     |

## 5.3. Construction Vehicles

## 5.3.1. Unmitigated

| Phase Name            | Trip Type    | One-Way Trips per Day | Miles per Trip | Vehicle Mix   |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Demolition            | Worker       | 15.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Demolition            | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Demolition            | Hauling      | 12.1000               | 20.0000        | HHDT          |
| Demolition            | Onsite truck | —                     | —              | HHDT          |
| Site Preparation      | Worker       | 17.5000               | 18.5000        | LDA,LDT1,LDT2 |
| Site Preparation      | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Site Preparation      | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Site Preparation      | Onsite truck | —                     | —              | HHDT          |
| Grading               | Worker       | 15.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Grading               | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Grading               | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Grading               | Onsite truck | —                     | —              | HHDT          |
| Building Construction | Worker       | 97.6080               | 18.5000        | LDA,LDT1,LDT2 |
| Building Construction | Vendor       | 14.9389               | 10.2000        | HHDT,MHDT     |
| Building Construction | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Building Construction | Onsite truck | —                     | —              | HHDT          |
| Paving                | Worker       | 15.0000               | 18.5000        | LDA,LDT1,LDT2 |
| Paving                | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Paving                | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Paving                | Onsite truck | —                     | —              | HHDT          |
| Architectural Coating | Worker       | 19.5216               | 18.5000        | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor       | —                     | 10.2000        | HHDT,MHDT     |
| Architectural Coating | Hauling      | 0.00000               | 20.0000        | HHDT          |
| Architectural Coating | Onsite truck | —                     | —              | HHDT          |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

| Control Strategies Applied                      | PM10 Reduction | PM2.5 Reduction |
|-------------------------------------------------|----------------|-----------------|
| Water unpaved roads twice daily                 | 55%            | 55%             |
| Limit vehicle speeds on unpaved roads to 25 mph | 44%            | 44%             |
| Sweep paved roads once per month                | 9%             | 9%              |

## 5.5. Architectural Coatings

| Phase Name            | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|-----------------------|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| Architectural Coating | 300,340                                  | 100,113                                  | 6,600.00                                     | 2,200.00                                     | —                           |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name       | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|------------------|------------------------|------------------------|----------------------|-----------------------------------------------|---------------------|
| Demolition       | 0.00000                | 0.00000                | 0.00000              | 21,000.0                                      | 0.00000             |
| Site Preparation | —                      | —                      | 15.0000              | 0.00000                                       | 0.00000             |
| Grading          | —                      | —                      | 20.0000              | 0.00000                                       | 0.00000             |
| Paving           | 0.00000                | 0.00000                | 0.00000              | 0.00000                                       | 3.46000             |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|----------------------------|---------------------|----------------|-----------------|
| Water Exposed Area         | 2                   | 50%            | 50%             |
| Water Demolished Area      | 2                   | 36%            | 36%             |

## 5.7. Construction Paving

| Phase Name | Land Use                   | Area Paved (acres) | % Asphalt |
|------------|----------------------------|--------------------|-----------|
| Paving     | Apartments Mid Rise        | 3.46000            | 100%      |
| Paving     | Recreational Swimming Pool | 0.00000            | 0%        |
| Paving     | Health Club                | 0.00000            | 0%        |

## 5.8. Construction Electricity Consumption and Emissions Factors

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

| Year | kWh per Year | CO2     | CH4     | N2O     |
|------|--------------|---------|---------|---------|
| 2027 | 0.00000      | 456.543 | 0.03300 | 0.00400 |
| 2028 | 0.00000      | 456.543 | 0.03300 | 0.00400 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type              | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VM/Weekday | VM/Saturday | VM/Sunday | VM/Year   |
|----------------------------|---------------|----------------|--------------|------------|------------|-------------|-----------|-----------|
| Apartments Mid Rise        | 931.000       | 840.560        | 699.580      | 323,032    | 5,503.70   | 4,969.05    | 4,135.64  | 1,909,637 |
| Recreational Swimming Pool | 0.00000       | 0.00000        | 0.00000      | 0.00000    | 0.00000    | 0.00000     | 0.00000   | 0.00000   |
| Health Club                | 0.00000       | 0.00000        | 0.00000      | 0.00000    | 0.00000    | 0.00000     | 0.00000   | 0.00000   |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

| Land Use            | Hearth Type     | Unmitigated (number) | Mitigated (number) |
|---------------------|-----------------|----------------------|--------------------|
| Apartments Mid Rise | Wood Fireplaces | 0                    | 0                  |
| Apartments Mid Rise | Gas Fireplaces  | 0                    | 0                  |

|                            |                           |     |     |
|----------------------------|---------------------------|-----|-----|
| Apartments Mid Rise        | Propane Fireplaces        | 0   | 0   |
| Apartments Mid Rise        | Electric Fireplaces       | 0   | 0   |
| Apartments Mid Rise        | No Fireplaces             | 133 | 133 |
| Apartments Mid Rise        | Conventional Wood Stoves  | 0   | 0   |
| Apartments Mid Rise        | Catalytic Wood Stoves     | 0   | 0   |
| Apartments Mid Rise        | Non-Catalytic Wood Stoves | 0   | 0   |
| Apartments Mid Rise        | Pellet Wood Stoves        | 0   | 0   |
| Recreational Swimming Pool | Wood Fireplaces           | 0   | 0   |
| Recreational Swimming Pool | Gas Fireplaces            | 0   | 0   |
| Recreational Swimming Pool | Propane Fireplaces        | 0   | 0   |
| Recreational Swimming Pool | Electric Fireplaces       | 0   | 0   |
| Recreational Swimming Pool | No Fireplaces             | 0   | 0   |
| Recreational Swimming Pool | Conventional Wood Stoves  | 0   | 0   |
| Recreational Swimming Pool | Catalytic Wood Stoves     | 0   | 0   |
| Recreational Swimming Pool | Non-Catalytic Wood Stoves | 0   | 0   |
| Recreational Swimming Pool | Pellet Wood Stoves        | 0   | 0   |
| Health Club                | Wood Fireplaces           | 0   | 0   |
| Health Club                | Gas Fireplaces            | 0   | 0   |
| Health Club                | Propane Fireplaces        | 0   | 0   |
| Health Club                | Electric Fireplaces       | 0   | 0   |
| Health Club                | No Fireplaces             | 0   | 0   |
| Health Club                | Conventional Wood Stoves  | 0   | 0   |
| Health Club                | Catalytic Wood Stoves     | 0   | 0   |
| Health Club                | Non-Catalytic Wood Stoves | 0   | 0   |
| Health Club                | Pellet Wood Stoves        | 0   | 0   |

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|
| 300,340                                  | 100,113                                  | 6,600.00                                     | 2,200.00                                     | —                           |

### 5.10.3. Landscape Equipment

| Season      | Unit   | Value   |
|-------------|--------|---------|
| Snow Days   | day/yr | 0.00000 |
| Summer Days | day/yr | 180.000 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use                   | Electricity (kWh/yr) | CO2     | CH4    | N2O    | Natural Gas (kBTU/yr) |
|----------------------------|----------------------|---------|--------|--------|-----------------------|
| Apartments Mid Rise        | 752,668              | 274.518 | 0.0330 | 0.0040 | 1,714,744             |
| Recreational Swimming Pool | 0.00000              | 274.518 | 0.0330 | 0.0040 | 0.00000               |
| Health Club                | 133,647              | 274.518 | 0.0330 | 0.0040 | 142,932               |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use                   | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|----------------------------|-------------------------|--------------------------|
| Apartments Mid Rise        | 5,962,297               | 1,726,294                |
| Recreational Swimming Pool | 118,286                 | 0.00000                  |
| Health Club                | 260,230                 | 0.00000                  |

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

| Land Use                   | Waste (ton/year) | Cogeneration (kWh/year) |
|----------------------------|------------------|-------------------------|
| Apartments Mid Rise        | 98.2545          | 0.00000                 |
| Recreational Swimming Pool | 11.4000          | 0.00000                 |
| Health Club                | 25.0800          | 0.00000                 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

| Land Use                   | Equipment Type                                          | Refrigerant | GWP      | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|----------------------------|---------------------------------------------------------|-------------|----------|---------------|----------------------|-------------------|----------------|
| Apartments Mid Rise        | Average room A/C & Other residential A/C and heat pumps | R-410A      | 2,088.00 | 0.00225       | 2.50000              | 2.50000           | 10.00000       |
| Apartments Mid Rise        | Household refrigerators and/or freezers                 | R-134a      | 1,430.00 | 0.11538       | 0.60000              | 0.00000           | 1.000000       |
| Recreational Swimming Pool | Other commercial A/C and heat pumps                     | R-410A      | 2,088.00 | 0.00180       | 4.00000              | 4.00000           | 18.0000        |
| Recreational Swimming Pool | Stand-alone retail refrigerators and freezers           | R-134a      | 1,430.00 | 0.03750       | 1.000000             | 0.00000           | 1.000000       |
| Health Club                | Other commercial A/C and heat pumps                     | R-410A      | 2,088.00 | 0.00180       | 4.00000              | 4.00000           | 18.0000        |
| Health Club                | Stand-alone retail refrigerators and freezers           | R-134a      | 1,430.00 | 0.03750       | 1.000000             | 0.00000           | 1.000000       |

## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type      | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---------------------|-----------|----------------|---------------|----------------|------------|-------------|
| Emergency Generator | Diesel    | 1.000000       | 1.000000      | 50.0000        | 400.000    | 0.73000     |

### 5.16.2. Process Boilers

## 5.17. User Defined

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

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

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

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

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

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

## 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

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

| Climate Hazard               | Result for Project Location | Unit                                       |
|------------------------------|-----------------------------|--------------------------------------------|
| Temperature and Extreme Heat | 32.0100                     | annual days of extreme heat                |
| Extreme Precipitation        | 0.15000                     | annual days with precipitation above 20 mm |
| Sea Level Rise               | —                           | meters of inundation depth                 |
| Wildfire                     | 0.00000                     | annual hectares burned                     |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about  $\frac{3}{4}$  an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard               | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|------------------------------|----------------|-------------------|-------------------------|---------------------|
| Temperature and Extreme Heat | 4              | 0                 | 0                       | N/A                 |
| Extreme Precipitation        | N/A            | N/A               | N/A                     | N/A                 |
| Sea Level Rise               | N/A            | N/A               | N/A                     | N/A                 |
| Wildfire                     | N/A            | N/A               | N/A                     | N/A                 |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | 0              | 0                 | 0                       | N/A                 |
| Snowpack Reduction           | N/A            | N/A               | N/A                     | N/A                 |
| Air Quality Degradation      | N/A            | N/A               | N/A                     | N/A                 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

| Climate Hazard               | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|------------------------------|----------------|-------------------|-------------------------|---------------------|
| Temperature and Extreme Heat | 4              | 1                 | 1                       | 4                   |
| Extreme Precipitation        | N/A            | N/A               | N/A                     | N/A                 |
| Sea Level Rise               | N/A            | N/A               | N/A                     | N/A                 |
| Wildfire                     | N/A            | N/A               | N/A                     | N/A                 |
| Flooding                     | N/A            | N/A               | N/A                     | N/A                 |
| Drought                      | 1              | 1                 | 1                       | 2                   |
| Snowpack Reduction           | N/A            | N/A               | N/A                     | N/A                 |
| Air Quality Degradation      | N/A            | N/A               | N/A                     | N/A                 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

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

| Indicator           | Result for Project Census Tract |
|---------------------|---------------------------------|
| Exposure Indicators | —                               |
| AQ-Ozone            | 32.1469                         |
| AQ-PM               | 39.1910                         |

|                                 |         |
|---------------------------------|---------|
| AQ-DPM                          | 24.1568 |
| Drinking Water                  | 54.9894 |
| Lead Risk Housing               | 39.9370 |
| Pesticides                      | 79.5172 |
| Toxic Releases                  | 11.5029 |
| Traffic                         | 35.1000 |
| Effect Indicators               | —       |
| CleanUp Sites                   | 70.1754 |
| Groundwater                     | 70.2972 |
| Haz Waste Facilities/Generators | 46.3534 |
| Impaired Water Bodies           | 99.5170 |
| Solid Waste                     | 35.7159 |
| Sensitive Population            | —       |
| Asthma                          | 97.7443 |
| Cardio-vascular                 | 87.4128 |
| Low Birth Weights               | 51.8219 |
| Socioeconomic Factor Indicators | —       |
| Education                       | 77.7272 |
| Housing                         | 56.8568 |
| Linguistic                      | 90.4859 |
| Poverty                         | 91.3191 |
| Unemployment                    | 98.2952 |

## 7.2. Healthy Places Index Scores

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

| Indicator     | Result for Project Census Tract |
|---------------|---------------------------------|
| Economic      | —                               |
| Above Poverty | 36.85358655                     |

|                                              |             |
|----------------------------------------------|-------------|
| Employed                                     | 8.27665854  |
| Median HI                                    | 25.47157706 |
| Education                                    | —           |
| Bachelor's or higher                         | 19.41485949 |
| High school enrollment                       | 100         |
| Preschool enrollment                         | 38.23944566 |
| Transportation                               | —           |
| Auto Access                                  | 25.58706532 |
| Active commuting                             | 20.90337482 |
| Social                                       | —           |
| 2-parent households                          | 24.89413576 |
| Voting                                       | 52.31618119 |
| Neighborhood                                 | —           |
| Alcohol availability                         | 45.38688567 |
| Park access                                  | 52.66264596 |
| Retail density                               | 52.53432568 |
| Supermarket access                           | 50.94315411 |
| Tree canopy                                  | 18.00333633 |
| Housing                                      | —           |
| Homeownership                                | 47.94045939 |
| Housing habitability                         | 54.53612216 |
| Low-inc homeowner severe housing cost burden | 39.61247273 |
| Low-inc renter severe housing cost burden    | 41.75542153 |
| Uncrowded housing                            | 58.11625818 |
| Health Outcomes                              | —           |
| Insured adults                               | 30.39907609 |
| Arthritis                                    | 0.0         |
| Asthma ER Admissions                         | 1.7         |

|                                       |      |
|---------------------------------------|------|
| High Blood Pressure                   | 0.0  |
| Cancer (excluding skin)               | 0.0  |
| Asthma                                | 0.0  |
| Coronary Heart Disease                | 0.0  |
| Chronic Obstructive Pulmonary Disease | 0.0  |
| Diagnosed Diabetes                    | 0.0  |
| Life Expectancy at Birth              | 47.8 |
| Cognitively Disabled                  | 15.9 |
| Physically Disabled                   | 7.5  |
| Heart Attack ER Admissions            | 17.9 |
| Mental Health Not Good                | 0.0  |
| Chronic Kidney Disease                | 0.0  |
| Obesity                               | 0.0  |
| Pedestrian Injuries                   | 42.4 |
| Physical Health Not Good              | 0.0  |
| Stroke                                | 0.0  |
| Health Risk Behaviors                 | —    |
| Binge Drinking                        | 0.0  |
| Current Smoker                        | 0.0  |
| No Leisure Time for Physical Activity | 0.0  |
| Climate Change Exposures              | —    |
| Wildfire Risk                         | 0.0  |
| SLR Inundation Area                   | 0.0  |
| Children                              | 68.4 |
| Elderly                               | 53.8 |
| English Speaking                      | 28.5 |
| Foreign-born                          | 54.9 |
| Outdoor Workers                       | 19.4 |

|                                  |      |
|----------------------------------|------|
| Climate Change Adaptive Capacity | —    |
| Impervious Surface Cover         | 57.7 |
| Traffic Density                  | 25.2 |
| Traffic Access                   | 23.0 |
| Other Indices                    | —    |
| Hardship                         | 74.8 |
| Other Decision Support           | —    |
| 2016 Voting                      | 0.0  |

### 7.3. Overall Health & Equity Scores

| Metric                                                                              | Result for Project Census Tract |
|-------------------------------------------------------------------------------------|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a)                                  | 87.0000                         |
| Healthy Places Index Score for Project Location (b)                                 | 26.0000                         |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535)           | Yes                             |
| Project Located in a Low-Income Community (Assembly Bill 1550)                      | Yes                             |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No                              |

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

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

## 8.1. Justifications

| Screen                              | Justification                                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Land Use                            | 133 units<br>8.11 acres (7.87 acres on-site + 0.24 acre off-site)<br>143,916 sf residential buildings<br>4,400 sf clubhouse with ~2,000 sf swimming pool<br>20% landscaping modeled (~69,000 sf)                     |
| Construction: Construction Phases   | Architectural coatings simultaneous with last 20% of building construction                                                                                                                                           |
| Construction: On-Road Fugitive Dust | Construction vehicles would access via paved roads, with the portion of W River Road experiencing higher levels of entrained roadway dust. To account for these dust emissions, 98 percent paved roads were modeled. |
| Construction: Paving                | 3.46 acres paved                                                                                                                                                                                                     |
| Operations: Vehicle Data            | LMA - 931 weekday trips (7.00 trips per unit)<br>Weekend trip rates adjusted proportionately                                                                                                                         |
| Operations: Road Dust               | All roads paved                                                                                                                                                                                                      |
| Operations: Hearths                 | No fireplaces or wood stoves                                                                                                                                                                                         |

## 8.3. Land Use

| Model Parameter | Units  | Default Value | New Value |
|-----------------|--------|---------------|-----------|
| Lot Area        | acre   | 3.50000       | 7.96000   |
| Building Area   | sq. ft | 127,680       | 148,316   |
| Landscape Area  | sq. ft | —             | 69,000.0  |
| Lot Area        | acre   | 0.04591       | 0.05000   |
| Building Area   | sq. ft | 2,000.00      | 0.00000   |
| Landscape Area  | sq. ft | —             | 0.00000   |
| Lot Area        | acre   | 0.10101       | 0.10000   |
| Landscape Area  | sq. ft | —             | 0.00000   |

## 8.4. Construction

## 8.4.1. Construction Phases

| Phase Type            | Phase Name            | Model Parameter     | Default Value | New Value |
|-----------------------|-----------------------|---------------------|---------------|-----------|
| Architectural Coating | Architectural Coating | Start Date          | 3/4/2028      | 12/2/2027 |
| Architectural Coating | Architectural Coating | End Date            | 4/1/2028      | 2/3/2028  |
| Architectural Coating | Architectural Coating | Work Days per Phase | 20.0000       | 46.0000   |

## 8.4.7. On-Road Fugitive Dust

| Phase Name            | Model Parameter    | Units | Default Value | New Value |
|-----------------------|--------------------|-------|---------------|-----------|
| Demolition            | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Demolition            | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Demolition            | Hauling Trip Paved | %     | 50.0000       | 98.0000   |
| Site Preparation      | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Site Preparation      | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Site Preparation      | Hauling Trip Paved | %     | 50.0000       | 98.0000   |
| Grading               | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Grading               | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Grading               | Hauling Trip Paved | %     | 50.0000       | 98.0000   |
| Building Construction | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Building Construction | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Building Construction | Hauling Trip Paved | %     | 50.0000       | 98.0000   |
| Paving                | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Paving                | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Paving                | Hauling Trip Paved | %     | 50.0000       | 98.0000   |
| Architectural Coating | Worker Trip Paved  | %     | 50.0000       | 98.0000   |
| Architectural Coating | Vendor Trip Paved  | %     | 50.0000       | 98.0000   |
| Architectural Coating | Hauling Trip Paved | %     | 50.0000       | 98.0000   |

### 8.4.9. Paving

| Phase Name | Land Use            | Model Parameter | Units | Default Value | New Value |
|------------|---------------------|-----------------|-------|---------------|-----------|
| Paving     | Apartments Mid Rise | Area Paved      | acres | —             | 3.46000   |
| Paving     | Apartments Mid Rise | % Asphalt       | %     | 0.00000       | 100.0000  |

## 8.5. Operations

### 8.5.1. Mobile Sources

#### 8.5.1.1. Vehicle Data

| Land Use                   | Model Parameter    | Units    | Default Value | New Value |
|----------------------------|--------------------|----------|---------------|-----------|
| Apartments Mid Rise        | Weekday Trip Rate  | size/day | 5.44000       | 7.00000   |
| Apartments Mid Rise        | Saturday Trip Rate | size/day | 4.91000       | 6.32000   |
| Apartments Mid Rise        | Sunday Trip Rate   | size/day | 4.09000       | 5.26000   |
| Recreational Swimming Pool | Weekday Trip Rate  | size/day | 28.8200       | 0.00000   |
| Recreational Swimming Pool | Saturday Trip Rate | size/day | 9.10000       | 0.00000   |
| Recreational Swimming Pool | Sunday Trip Rate   | size/day | 13.6000       | 0.00000   |
| Health Club                | Weekday Trip Rate  | size/day | 32.9300       | 0.00000   |
| Health Club                | Saturday Trip Rate | size/day | 20.8700       | 0.00000   |
| Health Club                | Sunday Trip Rate   | size/day | 26.7300       | 0.00000   |

#### 8.5.1.4. Road Dust

| Model Parameter | Units | Default Value | New Value |
|-----------------|-------|---------------|-----------|
| % Paved         | %     | 50.0000       | 100.0000  |

### 8.5.2. Area Sources

#### 8.5.2.1. Hearths

| Land Use            | Model Parameter | Units   | Default Value | New Value |
|---------------------|-----------------|---------|---------------|-----------|
| Apartments Mid Rise | Gas Fireplaces  | —       | 73            | 0         |
| Apartments Mid Rise | No Fireplaces   | —       | 60            | 133       |
| Apartments Mid Rise | Hours/Day       | —       | 3             | 0         |
| Apartments Mid Rise | Days/Year       | —       | 4             | 0         |
| Apartments Mid Rise | Wood Mass       | lb/year | 2,080         | 0         |