GREENHOUSE GAS ASSESSMENT

City View Townhomes (PRJ-1123397)
Residential Development
City of San Diego, CA

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1.0 INTRODUCTION

1.1 Project Location

The proposed Development is located on a 5.5-acre site (APN 274-781-14-00) within the Rancho Bernardo Community Planning area in the City of San Diego CA. The site is located adjacent to Interstate 15 to the east, west of Bernardo Center Drive, and north along Bernardo Plaza Court in the Rancho Bernardo Community Plan Area of the City of San Diego. Access to the Project area is from Bernardo Plaza Court. A general project vicinity map is shown in Figure 1-A below.

1.2 Project Description

The parcel is currently developed as a business center and consists of a multi-structured office building with parking and landscaping with an estimated size of 75,000 square feet of commercial office space and is referred to in this report as "Existing Development". The proposed Project seeks a Community Plan Amendment (CPA) and rezone to change the land use designation from Special Commercial (CC-2-3) to Medium Density Residential (RM-2-5). The CPA and rezone would allow up to 160 multi-family residential units and is referred to in this report as "CPA Buildout". The proposed Project includes the development of 122 all electric multi-family residential units and is referred to as "Project". Also, since the CPA Buildout is based on allowable units rather than a site-specific plan, no development plans have been prepared. Construction activities are expected to begin in as early as mid 2026 and be completed in the third quarter of 2027. The Project site plan is shown in Figure 1-B.

The proposed CPA Buildout and Project would demolish all existing structures within the existing development and then construct the homes. It is expected that the earthwork for both scenarios would be balanced, however since grading plans have not been finalized, it was assumed that as much as 10,000 CY of import/export would be necessary for this Project.

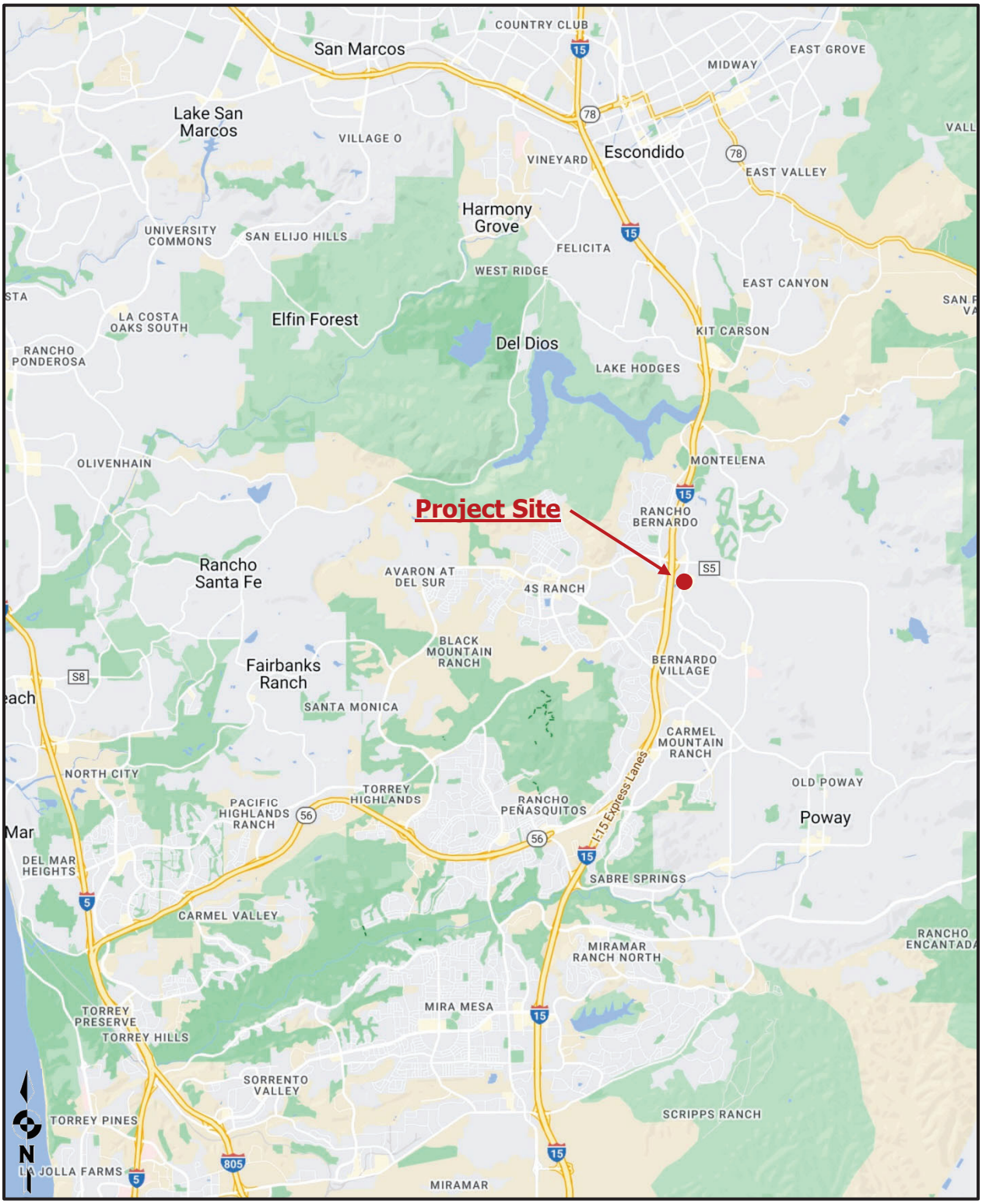
1.3 Purpose of this Report

The purpose of this Greenhouse Gas (GHG) Assessment is to analyze the project's GHG emissions and evaluate its conformance with the City of San Diego's Climate Action Plan (CAP) and CAP Consistency Regulations. As described in the City's CAP, there is an existing framework of federal, State, regional, and local policies and regulations that identify GHG reduction requirements within the State. The CAP and the CAP Consistency Regulations provides a plan for the City to meet these requirements and achieve local reduction requirements outlined in the CAP. In addition, as identified in the CAP, showing consistency with the CAP and Consistency Regulations would also demonstrate that the proposed Project

would have a less than significant impact under the California Environmental Quality Act (CEQA) (City of San Diego, 2022).

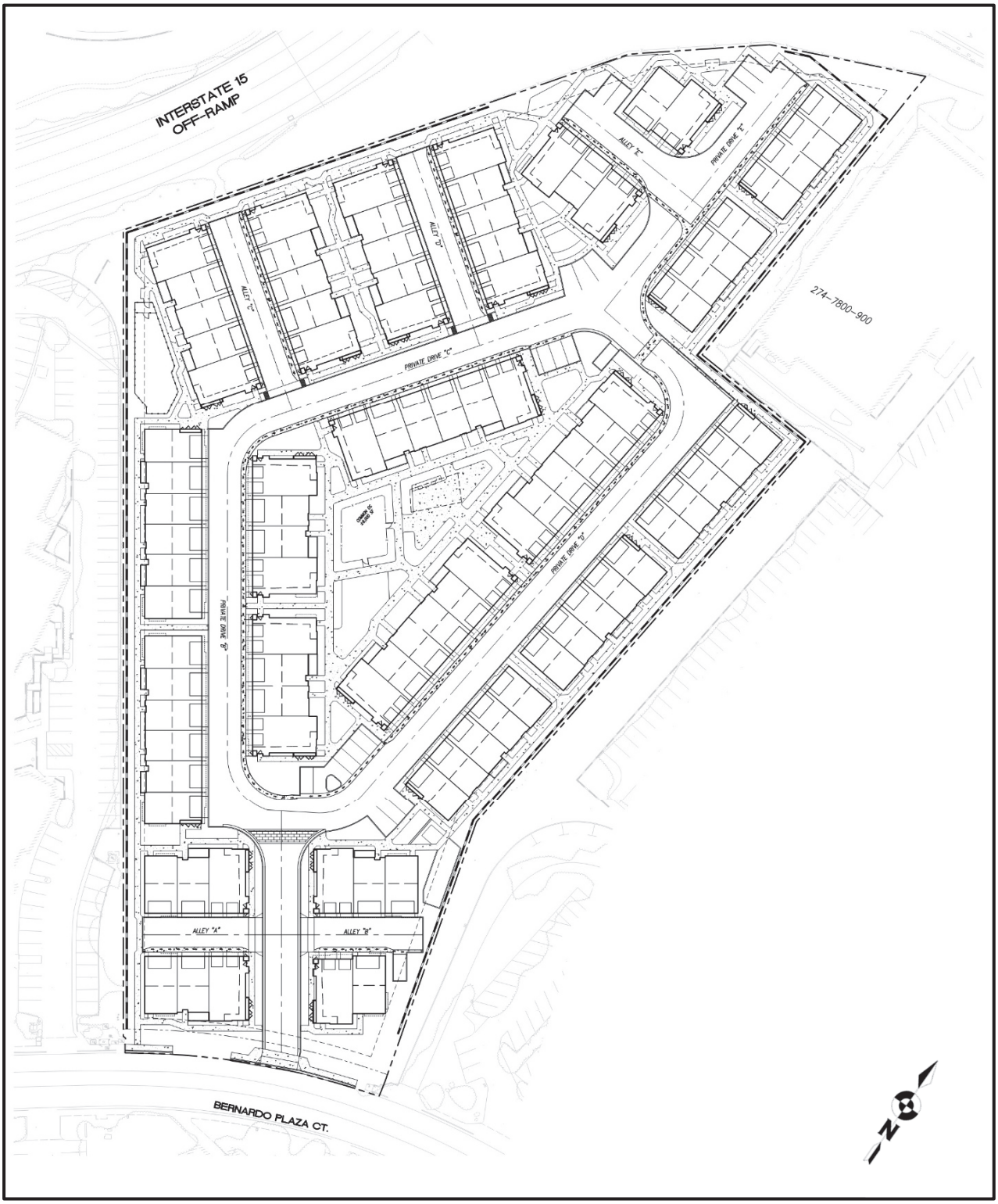
This analysis has been completed in order to compare GHG emissions from both the maximum allowed units under the proposed CPA Buildout (160-units) and the proposed Project (122-units) with GHG emissions from the Existing Development (75,000 SF office space). The Existing Development is compatible within the current General Plan (GP) zoning and designations for the site (CC-2-3) and is therefore assumed to be the GP buildout scenario. This Existing Development is used to compare GHG emission intensities with both the CPA Buildout and the proposed Project. Both the CPA Buildout and proposed Project would require demolition of the Existing Development.

Figure 1-A: Project Vicinity Map



Source: (Google, 2023)

Figure 1-B: Proposed Project Site Layout



Source (Latitude 33, 2025):

2.0 BACKGROUND AND ENVIRONMENTAL SETTING

2.1 Understanding Climate Change and Greenhouse Gases

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in the Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere. The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows:

Short-wave radiation emitted by the Sun is absorbed by the Earth. The Earth emits a portion of this energy in the form of long-wave radiation and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth.

The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

Some greenhouse gases are emitted exclusively from human activities (e.g., synthetic halocarbons). Others occur naturally but are found at elevated levels due to human inputs (e.g., carbon dioxide). Anthropogenic sources result from energy-related activities (e.g., combustion of fossil fuels in the electric utility and transportation sectors), agriculture, land-use change, waste management and treatment activities, and various industrial processes. Major greenhouse gases include carbon dioxide, methane, nitrous oxide, and various synthetic chemicals (EPA, 2023).

The GHGs typically analyzed in a greenhouse gas study are Carbon Dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O) because they are emitted in the greatest quantities from human activities. A brief description of each GHG follows:

Carbon Dioxide (CO_2) is widely reported as the most important anthropogenic greenhouse gas because it currently accounts for the greatest portion of the warming associated with human activities. Carbon dioxide occurs naturally as part of the global carbon cycle, but human activities have increased atmospheric loadings through combustion of fossil fuels and

other emissions sources. Natural sinks that remove carbon dioxide from the atmosphere (e.g., oceans, plants) help regulate carbon dioxide concentrations, but human activities can disturb these processes (e.g., deforestation) or enhance them (EPA, 2023).

Methane comes from many sources, including human activities such as coal mining, natural gas production and distribution, waste decomposition in landfills, and digestive processes in livestock and agriculture. Natural sources of methane include wetlands and termite mounds (EPA, 2023).

Nitrous Oxide is emitted during agricultural and industrial activities, as well as during combustion of solid waste and fossil fuels (EPA, 2023).

To simplify greenhouse gas calculations, both CH_4 and N_2O are converted to an equivalent amount of carbon dioxide, or CO_2e. CO_2e is calculated by multiplying the calculated levels of CH_4 and N_2O by a Global Warming Potential (GWP). GWPs for both CH_4 and N_2O are presented within the 2007 Intergovernmental Panel on Climate Change (IPCC) report as being 25 and 298, respectively (IPCC, 2007).

2.2 Climate and Meteorology

Climate within the San Diego Air Basin (SDAB) area often varies dramatically over short geographical distances with cooler temperatures on the western coast gradually warming to the east as prevailing winds from the west heat up. Most of southern California is dominated by high-pressure systems for much of the year, which keeps San Diego mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north. It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SDAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Meteorological trends within the project site area are best described to follow trends from the Rancho Bernardo/ Poway area. This location generally has daytime highs ranging between 66ºF in the winter to approximately 86ºF in the summer with August usually being the hottest month. The lowest temperatures range from approximately 39ºF in the winter to approximately 62ºF in the summer. Precipitation is generally about 13.24 inches per year (WRCC, 2016). Prevailing wind patterns for the area vary during any given month during the year and also vary depending on the time of day or night. The predominant pattern though throughout the year is usually from the west or westerly (WRCC, 2018).

3.0 CLIMATE CHANGE REGULATORY ENVIRONMENT

3.1 State

State Greenhouse Gas Targets

Executive Order S-3-05

EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, 1990 levels by 2020, and 80 percent below 1990 levels by 2050.

AB 32 and CARB's Climate Change Scoping Plan

In furtherance of the goals established in EO S-3-05, the Legislature enacted Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020.

Under AB 32, the California Air Resources Board (CARB) is responsible for and is recognized as having the expertise to carry out and develop the programs and regulations necessary to achieve the GHG emissions reduction mandate of AB 32. Therefore, in furtherance of AB 32, CARB adopted regulations requiring the reporting and verification of GHG emissions from specified sources, such as industrial facilities, fuel suppliers and electricity importers (see Health & Safety Code Section 35830; Cal. Code Regs., tit. 17, §§95100 et seq.). CARB is also required to adopt rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 authorized CARB to adopt market-based compliance mechanisms to meet the specified requirements. Finally, CARB is ultimately responsible for monitoring compliance and enforcing any rule, regulation, order, emission limitation, emission reduction measure, or market-based compliance mechanism adopted.

In 2007, CARB approved a limit on the statewide GHG emissions level for year 2020 consistent with the determined 1990 baseline (427 million metric tons (MMT) CO_2E). CARB's adoption of this limit is in accordance with Health and Safety Code Section 38550.

Further, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change* (*2008 Scoping Plan*) in accordance with Health and Safety Code Section 38561. The *2008 Scoping Plan* established an overall framework for the measures to be implemented to reduce California's GHG emissions for various emission sources/sectors to 1990 levels by 2020. The *2008 Scoping Plan* evaluated opportunities for sector-specific reductions,

integrated all CARB and Climate Action Team[1] early actions and additional GHG reduction features by both entities, identified additional measures to be pursued as regulations, and outlined the role of a cap-and-trade program.

In the *2008 Scoping Plan*, CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of approximately 28.5 percent from the otherwise projected 2020 emissions level; i.e., those emissions that would occur in 2020, absent GHG-reducing laws and regulations (referred to as "Business-As-Usual" [BAU]). For purposes of calculating this percent reduction, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards.

In the 2011 Final Supplement to the *2008 Scoping Plan's* Functional Equivalent Document, CARB revised its estimates of the projected 2020 emissions level in light of the economic recession and the availability of updated information about GHG reduction regulations. Based on the new economic data, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 21.7 percent (down from 28.5 percent) from the BAU conditions. When the 2020 emissions level projection was updated to account for newly implemented regulatory measures, including Pavley I (model years 2009–2016) and the Renewables Portfolio Standard (12 percent to 20 percent), CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of 16 percent (down from 28.5 percent) from the BAU conditions.

In 2014, CARB adopted the *First Update to the Climate Change Scoping Plan: Building on the Framework* (*First Update*). The stated purpose of the *First Update* was to "highlight California's success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050." The *First Update* found that California was on track to meet the 2020 emissions reduction mandate established by AB 32, noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

EO B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under S-3-05 and AB 32. EO B-30-15 set an interim goal of reducing statewide GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its

[1] The Climate Action Team is comprised of state agency secretaries and heads of state agencies, boards and departments; these members work to coordinate statewide efforts to implement GHG emissions reduction programs and adaptation programs.

trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050 as set forth in S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's *Scoping Plan* to express the 2030 target in terms of MMT CO_2e. The EO also calls for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016.

SB 32 and AB 197

SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction target; make changes to CARB's membership and increase legislative oversight of CARB's climate change-based activities; and expand dissemination of GHG and other air quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members. The legislation further requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and identify specific information for GHG emissions reduction measures when updating the scoping plan, including information regarding the range of projected GHG emissions and air pollution reductions that result from each measure and the cost-effectiveness (including avoided social costs) of each measure (see Health & Safety Code Section 38562.7).

2017 Climate Change Scoping Plan

In November 2017, CARB released *California's 2017 Climate Change Scoping Plan* for public review and comment (CARB, 2017). This update includes CARB's strategy for achieving the state's 2030 GHG target as established in Senate Bill (SB) 32 (discussed below). The strategy includes continuing the Cap-and-Trade Program through 2030,[2] inclusive policies and broad support for clean technologies, enhanced industrial efficiency and competitiveness, prioritization of transportation sustainability, continued leadership on clean energy, putting waste resources to beneficial use, supporting resilient agricultural and rural economics and

[2] In July 2017, AB 398 was enacted into law, thereby extending the legislatively-authorized lifetime of the Cap-and-Trade Program to December 31, 2030.

natural and working lands, securing California's water supplies, and cleaning the air and public health. When discussing project-level GHG emissions reduction actions and thresholds, the *2017 Scoping Plan* states "[a]chieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development." However, the *2017 Scoping Plan* also recognizes that such an achievement "may not be feasible or appropriate for every project … and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA." CARB's Governing Board adopted the *2017 Scoping Plan* in December 2017.

In 2022 California released the latest scoping plan update which lays out the sector-by-sector roadmap for California to achieve carbon neutrality by 2045. This plan, addressing recent legislation and direction from Governor Newsom, extends and expands upon these earlier plans with a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045 (CARB, 2022). The plan suggests that bold steps are required by the State and calls for the need of vast research and development with respect to methods of capturing CO2. The plan call for a need to take an unprecedented transformation and aggressively seek reductions to reduce the need of fossil fuels by moving to zero emission transportation, electrifying the cars, buses, trucks and trains. The plan relays on external controls and requires partnership and collaboration with the federal government, other U.S. states, and other jurisdictions around the world for California to succeed in achieving its climate targets.

Building Energy

Title 24, Part 6

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically establishes Building Energy Efficiency Standards that are designed to ensure new buildings and alterations or additions to existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. The California Energy Commission (CEC) is required by law to adopt standards every 3 years that are cost effective for homeowners over the 30-year lifespan of a building. These standards are updated to consider and incorporate new energy efficient technologies and construction methods. As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The current code requirement is based on the 2022 standards, as those standards went into effect on January 1, 2023. The 2022 standards have mandatory requirements to

reduce building envelope air leakage, improve roofing through Solar Reflectance and Thermal Emittance, improve on insulation, improve on space conditioning, water heating and plumbing, improve on lighting efficiency requirements to name a few. The project will be required to implement Title 24 2022.

Title 24, Part 11

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards initially took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The CALGreen 2016 standards became effective on January 1, 2017. The mandatory standards require the following (24 CCR Part 11):

- Mandatory reduction in indoor water use through compliance with specified flow rates for plumbing fixtures and fittings
- Mandatory reduction in outdoor water use through compliance with a local water efficient landscaping ordinance or the California Department of Water Resources' Model Water Efficient Landscape Ordinance
- Sixty-five (65) percent of construction and demolition waste must be diverted from landfills.
- Mandatory inspections of energy systems to ensure optimal working efficiency.
- Inclusion of EV charging stations or designated spaces capable of supporting future charging stations
- Low-pollutant emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards.

The CALGreen standards also include voluntary efficiency measures that are provided at two separate tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15 percent improvement in energy requirements; stricter water conservation, 10 percent recycled content in building materials, 20 percent permeable paving, 20 percent cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30 percent improvement in energy requirements, stricter water conservation, 75 percent diversion of construction and demolition waste, 15 percent recycled content in building materials, 30 percent permeable paving, 25 percent cement reduction, and cool/solar-reflective roofs.

The newest CALGreen Standards were updated in 2022 and will become effective on January 1, 2023. The updated Code includes modifications to current codes and will be a requirement to the Project. Mandatory requirements include many updated Electric Vehicle Charging requirements for multi and single family developments (California Title 24, Part 11, 2022).

Title 20

Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include: refrigerators, refrigerator-freezers and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems.

Title 20 presents protocols for testing for each type of appliance covered under the regulations and appliances must meet the standards for energy performance, energy design, water performance and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Mobile Sources

AB 1493

In response to the transportation sector accounting for more than half of California's CO_2 emissions, AB 1493 was enacted in July 2002. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. When fully phased in, the near-term (2009–2012) standards will result in a reduction of about 22 percent in GHG emissions compared to the emissions from the 2002 fleet, while the mid-term (2013–2016) standards will result in a reduction of about 30 percent (CARB, 2017).

EO S-1-07

Issued in January 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered. CARB adopted the implementing regulation in April 2009 and began implementation in 2011. The LCFS is designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector.

The latest amendment to LCFS implementation regulations was in 2018 and CARB approved amendments which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32 (CARB, 2018).

SB 375

SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPOs) are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan. The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible and if implemented, the GHG reduction targets. If a SCS is unable to achieve the GHG reduction target, an MPO must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to Government Code Section 65080(b)(2)(K), a SCS does not: (i) regulate the use of land; (ii) supersede the land use authority of cities and counties; or (iii) require that a cities or counties land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets for SANDAG adopted in 2010 are a 7 percent reduction in emissions

per capita by 2020 and a 13 percent reduction by 2035; the targets are expressed as a percent change in per capita passenger vehicle GHG emissions relative to 2005.

In October 2015, SANDAG adopted *San Diego Forward: The Regional Plan*, which contains the region's current SCS. In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region. More specifically, as set forth in CARB Executive Order G-15-075, CARB determined that SANDAG's SCS would achieve a 15 percent per capita reduction by 2020 and a 21 percent per capita reduction by 2035.

In 2018, CARB updated the SB 375 targets. For purposes of SANDAG, the updated targets include a 15 percent reduction in emissions per capita by 2020 and a 19 percent reduction by 2035 (CARB, 2018). SANDAG is in the process of preparing its next SCS, which will consider whether and how the region could attain these reduction targets.

Currently SANDAG is working on the 2021 Regional Plan. The current Draft Plan provides a big picture vision for how the San Diego region will grow through 2050 and beyond with an implementation program to help make the plan a reality. Within the Draft Plan, SANDAG introduced a transformative vision for transportation in San Diego County that completely reimagines how people and goods could move throughout the region in the 21st century. The plan outlines the "5 Big Moves" which are: Complete Corridors, Transit Leap, Mobility Hubs, Flexible Fleets, and the Next OS. The SANDAG Board of Directors will be asked to adopt the 2021 Regional Plan in late 2021. Once adopted, it will become the region's long-term plan to be implemented incrementally through the Regional Transportation Improvement Program (RTIP) (SANDAG, 2021).

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB, 2017). To improve air quality, CARB also has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that, in 2025, cars will emit 75 percent less smog-forming pollution than the average new car sold today. To reduce GHG emissions, CARB, in conjunction with the EPA and the NHTSA, also has adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34 percent in 2025 (California Air Resources Board, 2012).

On June 12, 2025, H.J. Res. 87 was signed into law pursuant to the Congressional Review Act, disapproving the U.S. Environmental Protection Agency's waiver granted to the State of California for implementation of certain mobile source regulations, including Advanced Clean Cars II. This action, along with related litigation, has introduced uncertainty regarding the future implementation of California's Advanced Clean Cars II, Advanced Clean Trucks, and Omnibus Low NOx programs. At this time, CARB has not updated EMFAC or issued revised guidance or alternative emission factors for CEQA GHG analysis.

EO B-16-12

EO B-16-12 (March 2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution of ZEVs. This EO also sets a long-term target of reaching 1.5 million zero-emission vehicles on California's roadways by 2025. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80 percent less than 1990 levels by 2050. In furtherance of this EO, the Governor convened an Interagency Working Group on Zero-Emission Vehicles that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

SB 350

In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see Public Utilities Code Section 740.12).

<u>Renewable Energy Procurement</u>

SB 1078

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1 percent of sales, with an aggregate goal of 20 percent by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20 percent of their power from renewable sources by 2010.

SB X1 2

SB X1 2 (2011) expanded the RPS by establishing that 20 percent of the total electricity sold to retail customers in California per year by December 31, 2013, and 33 percent by December 31, 2020, and in subsequent years be secured from qualifying renewable energy

sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

SB 350

SB 350 (2015) further expanded the RPS by establishing that 50 percent of the total electricity sold to retail customers in California per year by December 31, 2030 be secured from qualifying renewable energy sources. In addition, SB 350 includes the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

SB 100

SB 100 (2018) has further accelerated and expanded the RPS, requiring achievement of a 50 percent RPS by December 31, 2026 and a 60 percent RPS by December 31, 2030. SB 100 also established a new statewide policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100 percent of electricity retail sales within the State of California by December 31, 2045.

Water

EO B-29-15

In response to drought-related concerns, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25 percent relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

Solid Waste

AB 939 and AB 341

AB 939 (1989), known as the Integrated Waste Management Act (Public Resources Code Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25 percent by 1995 and 50 percent by the year 2000.

AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle has conducted multiple workshops and published documents that identify priority strategies that CalRecycle believes would assist the state in reaching the 75 percent goal by 2020.

Increasing the amount of commercial solid waste that is recycled, reused, or composted will reduce GHG emissions primarily by 1) reducing the energy requirements associated with the extraction, harvest, and processing of raw materials and 2) using recyclable materials that require less energy than raw materials to manufacture finished products (CalRecycle, 2020) Increased diversion of organic materials (green and food waste) will also reduce GHG emissions (CO_2 and CH_4) resulting from decomposition in landfills by redirecting this material to processes that use the solid waste material to produce vehicle fuels, heat, electricity, or compost.

3.2 GHG Thresholds of Significance

The City of San Diego (City) last updated their Climate Action Plan (CAP) in 2022 (City of San Diego, 2022). The CAP Consistency Regulations outlines strategies and measures that the City will undertake to achieve its proportional share of State GHG emissions reduction targets. The CAP is a plan for the reduction of GHG emissions in accordance with (CEQA Guidelines Section 15183.5. Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it is consistent with the City's CAP.

In most cases, compliance with the CAP Consistency Regulations would provide the CEQA streamlining path to allow project specific environmental documents, if eligible, to tier from and/or incorporate by reference the CAP's programmatic review of GHG impacts. Projects that are consistent with the General Plan and implement CAP GHG reduction measures may incorporate by reference the CAP's cumulative GHG analysis. The City's CAP meets the requirements under Section 15183.5 of the CEQA Guidelines as a qualified plan for the reduction of GHG emissions for use in cumulative impact analysis pertaining to development projects. The CAP Consistency Regulations would provide a streamlined review process for the GHG emissions analysis of proposed new development projects that are subject to discretionary review and trigger environmental review pursuant to CEQA.

If a project is consistent with the existing General Plan land use designation(s), it can be determined to be consistent with the CAP projections and move forward under the requirements of the CAP Consistency Regulations.

In addition, some projects may seek a General Plan amendment. For these projects, the CAP Consistency Regulations requires a determination on whether the amendment would result in an equivalent or less GHG-intensive project when compared to the existing designations. In addition to providing evidence to support the conclusion that the project would generate fewer emissions than existing designations, these projects would demonstrate consistency with the CAP through implementing the applicable measures identified in the CAP Consistency Regulations.

4.0 METHODOLOGY

4.1 Construction CO_2e Emissions Calculation Methodology (proposed CPA and Project)

The purpose of this analysis is to show compliance with CEQA through analysis using the City's CAP using a comparative analysis between the Existing Development and the proposed CPA Buildout (160-Units) and the proposed Project (122-Units). For both scenarios, the analysis assumes demolition of the Existing Development (75,000 SF Commercial Office).

GHGs related to construction and daily operations were calculated using the latest CalEEMod 2022.1 GHG model. The construction module in CalEEMod is used to calculate the emissions associated with construction for each scenario. It should be noted that the development area is limited to 5.5 acres and CalEEMod will generate the same construction durations for both uses; however, the larger CPA buildout would require additional vendors and construction workers. CalEEMod automatically accounts for these differences through activity scaling based on unit counts. Construction is expected to start in as early as mid 2026 and buildout would be expected in 2027.

In addition, since grading quantities are not known at this time, it was assumed that as much as 10,000 CY of import/export soil will be required and is included in both construction models. The CalEEMod input/output models are provided as ***Attachment A*** for the proposed CPA Buildout and ***Attachment B*** for the proposed Project.

Also, it should also be noted that because the Existing Development is fully operational, no construction would be required so GHG from this scenario are assumed to be zero.

GHG emissions are reported in annual fashion within CalEEMod. Given the fact that the total emissions would ultimately contribute to cumulative levels, construction emissions of GHGs are annualized to allow for inclusion in operational emissions estimates, consistent with the South Coast Air Quality Management District (SCAQMD) recommendations for construction GHG emissions (SCAQMD, 2008). Construction emissions were annualized over a 30-year period, per SCAQMD recommendations, to account for emissions generated over the assumed project lifetime.

4.2 Operational Emissions Calculation Methodology

Once construction is complete, the proposed project would generate GHG emissions from daily operations. Buildout is expected in 2027 and the first full year of operations are expected in 2028.

Daily operations would include sources such as Area sources such as emissions generated from onsite landscaping, Energy usage from electricity only since the Project is all electric, mobile sources from vehicular traffic, municipal waste and from water uses, which are calculated within CalEEMod.

Solid municipal waste generated in the form of trash is also considered within this analysis as the decomposition of organic material breaks down to form GHGs. GHGs from water are also indirectly generated through the conveyance of the resource via pumping throughout the state and as necessary for wastewater treatment. GHG models for each operational models are slightly different and CalEEMod inputs are listed below:

Existing Development (75,000 SF Office Space):

The Project was assumed to have default settings for energy usage which includes both electrical and natural gas sources as well as default settings for water and waste. The only manual modifications were for trip generation. Mobile emissions from vehicular usage is assumed to be consistent with the City's Trip Generation Manual (City of San Diego, 2003) which would be 1,358 daily trips. The modeling in the report utilizes 1,155 ADT instead of 1,358. Because project emissions are compared to the existing use and a lower ADT was assumed the comparative analysis is conservative. The model is provided as ***Attachment C*** to this report.

CPA Buildout (160-Units):

The CPA Buildout was assumed to have default settings for energy usage which includes both electrical and natural gas sources as well as default settings for water and waste. Mobile emissions from vehicular usage is assumed to be consistent with the proposed Project trip generations of 6 trips per unit (LL&G, 2025) which would be 960 daily trips. The model outputs are provided as ***Attachment A*** to this report.

Project (122-Units):

The proposed Project was assumed to have default settings mostly. The exception is the Air Quality model included a measure to be 100 percent all electric. The model was also updated based on the proposed Project traffic generation which would be 732 daily trips (LL&G, 2025). The model outputs are provided as ***Attachment B*** to this report.

5.0 FINDINGS

5.1 Project Related Construction Emissions

Utilizing the CALEEMOD 2022.1 construction outputs as reported are presented below. These total emissions are averaged over 30 years and ultimately added to the operational emissions for the comparative analysis in Section 5.3. The construction GHG findings for both the CPA Buildout and the proposed Project are presented below in Tables 5.1a and -b:

CPA Buildout (160-Units):

Table 5.1a: CPA Buildout - Construction Emissions Summary (MT CO_2e/year)

Year	CO_2	CH_4	N_2O	CO_2e
2026	292.12	0.01	0.02	297.25
2027	295.39	0.01	0.01	298.41
Total				**595.66**
Yearly Average Construction Emissions (Metric Tons/year over 30 years)				**19.86**
Note: Total and Yearly Average Emissions were rounded to the nearest whole number				

Project (122-Units):

Table 5.1b: Project - Construction CO_2e Emissions Summary (MT CO_2e/year)

Year	CO_2	CH_4	N_2O	CO_2e
2026	280.92	0.01	0.01	285.79
2027	270.25	0.01	0.01	272.71
Total				**558.51**
Yearly Average Construction Emissions (Metric Tons/year over 30 years)				**18.62**
Note: Total and Yearly Average Emissions were rounded to the nearest whole number				

5.2 Proposed Operational GHG Emissions

Once construction is completed GHG emissions from daily operations, which would include sources such as area, energy, mobile, solid waste and water uses, which are calculated within CalEEMod would be generated. The specific scenario inputs are identified in Section 4.2 above.

This analysis is driven by the CAP Consistency Regulations, and since the CPA requires a rezone, a comparison with the GP buildout (Existing Development) is required to determine if the CPA increases GHG emissions beyond what the GP would otherwise generate or allow. If the CPA Buildout results in lower GHG emissions than the existing GP allows, the CPA would be considered consistent with the CAP and could implement CAP Consistency Regulations so that the CPA would have a less-than-significant GHG impact under CEQA. In addition, site specific Projects consistent with the CPA buildout would also have a less-than-significant GHG impact under CEQA. The operational findings for the CPA Buildout, proposed Project and Existing Development are provided below:

CPA Buildout (160-Units):

Table 5.2a indicates that the GHG emissions from the CPA Buildout operations including construction would generate 1,220 MT CO_2e per year (See ***Attachment A***).

Table 5.2a: Operational Emissions Summary MT/Year (CPA Buildout)

Year	Bio-CO_2	NBio-CO_2	Total CO_2	CH_4	N_2O	CO_2e (MT/Yr)
Mobile	*	949.50	949.50	0.05	0.04	963.70
Area	0	1.98	1.98	0.00	0.00	1.99
Energy	*	189.55	189.55	0.03	0.00	190.70
Water	1.78	0.78	2.57	0.18	0.00	8.47
Waste	10.55	0.00	10.55	1.05	0.00	36.90
Operations Total						**1,200.36**
Construction Emissions (See Table 5.1 above)						**19.86**
Construction and Operations						**1,220.27**

Note: Total and Yearly Average Emissions were rounded to the nearest whole number and data is presented in decimal format and may have rounding errors.
* No Data Provided

Project (122-Units):

Table 5.2b indicates that the GHG emissions from the proposed Project operations including construction would generate 802 MT CO_2e per year (See ***Attachment B***).

Table 5.2b: Operational Emissions Summary MT/Year (Project)

Year	Bio-CO_2	NBio-CO_2	Total CO_2	CH_4	N_2O	CO_2e (MT/Yr)
Mobile	*	723.99	723.99	0.04	0.03	734.82
Area	0	1.51	1.51	0	0	1.52
Energy	*	11.44	11.44	0.01	0	11.96
Water	1.36	0.6	1.96	0.14	0	6.46
Waste	8.04	0	8.04	0.8	0	28.13
Operations Total						**782.89**
Construction Emissions (See Table 5.1 above)						**18.62**
Construction and Operations						**801.51**

Note: Total and Yearly Average Emissions were rounded to the nearest whole number and data is presented in decimal format and may have rounding errors. Energy assumes all electric construction per the Project Description.
* No Data Provided

GP Buildout Assumption - Existing Development (75,000 SF Office Space):

The Existing Development, which is currently operational, is analyzed to establish an existing GHG benchmark under the General Plan. It should be noted that under the existing zone, the Project site could be developed with a maximum of 179,685 s.f. of retail uses. This level of development would be more intensive than the Existing Development currently on-site and would therefore result in a greater amount of GHG emissions. Accordingly, comparing the CPA Buildout to the Existing Development represents a conservative, worst-case analysis, as the change in GHG emissions between the CPA Buildout and the Existing Development would be less than that associated with full buildout under the existing zoning. Since the site is fully operational, construction emissions are zero. Also, since the Existing Development is operational, the facilities would not be required to implement any CAP Consistency Regulations.

Table 5.2c indicates that the GHG emissions from the Existing Development operations including construction would generate 1,932 MT CO_2e per year (See ***Attachment C***).

Table 5.2c: Operational Emissions Summary MT/Year (Existing Development)

Year	Bio-CO_2	NBio-CO_2	Total CO_2	CH_4	N_2O	CO_2e (MT/Yr)
Mobile	*	1364	1364	0.07	0.06	1384
Area	*	1.1	1.1	< 0.005	< 0.005	1.1
Energy	*	480	480	0.03	< 0.005	482
Water	4.23	24.2	28.5	0.43	0.01	42.5
Waste	6.22	0	6.22	0.62	0	21.8
Operations Total						**1,932**
Construction Emissions (See Table 5.1 above)						**0**
Construction and Operations						**1,932**

Note: Total and Yearly Average Emissions were rounded to the nearest whole number and data is presented in decimal format and may have rounding errors.
* No Data Provided

5.3 Operational GHG Comparative Analysis

In accordance with the City's CAP Consistency Regulations, all Projects determined to be CAP-consistent are required to implement all applicable CAP measures. The CPA Buildout and the proposed Project are analyzed by comparing each scenario's expected GHG emissions to the GP buildout, assumed to be the Existing Development (75,000 SF office at 1,932 MT CO2e/yr). This analysis is as follows:

CPA Buildout (160-Units):

The CPA Buildout would generate 1,220 MT CO_2e annually, which includes both operations and annualized construction. This is a reduction of 712 MT CO_2e annually (1,932-1,220) MT CO_2e. Because the CPA would result in lower GHG emissions than the existing GP buildout zoning, the CPA Buildout is consistent with the CAP Consistency Regulations. All applicable CAP measures would be required to be implemented which will further reduce modeled emissions. Therefore, the CPA Buildout GHG impact is less than significant and no additional mitigation is required beyond compliance with the CAP Consistency Regulations.

Project (122-Units):

The Project would generate 802 MT CO2e annually, which includes both operations and annualized construction. This is a reduction of 1,130 MT CO_2e (1,932 – 802) MT CO_2e. Because the Project would result in lower GHG emissions than the existing GP buildout zoning as well as the CPA Buildout, the Project is consistent with the CAP Consistency Regulations. All applicable CAP measures would be required to be implemented which would further reduce

modeled emissions. Therefore, the Project GHG impact is less than significant, and no additional mitigation is required beyond compliance with the CAP Consistency Regulations.

5.4 CEQA Compliance

This Project includes both a CPA and Rezone with a specific residential building design and therefore constitutes both a plan-level action and a project-level action. Consistent with the City's CAP guidance, this analysis must address consistency with applicable General Plan policies and the CAP strategies identified in the City's CAP. Table 5.3 below shows how the proposed Project will be consistent with the relevant General Plan policies and CAP strategies.

Table 5.3: General Plan and CAP Consistency Analysis

Policy	Project Co Discussion
2024 General Plan Policies	
General Plan Policy LU-A.7 Establish a mix of uses within village areas, or individual projects within village areas, to promote walking/rolling, biking, and transit usage and support progress towards climate goals and greenhouse gas emission reductions.	**Consistent**. The project site is located within an established urban area of the Rancho Bernardo community that is served by existing infrastructure and transportation networks. By accommodating residential development within the existing urban footprint, the project supports efficient land use patterns and would not conflict with General Plan Policy LU-A.7.
General Plan Policy LU-C.3 Increase the city's supply of land designated for various residential densities as community plans are prepared, updated, or amended.	**Consistent.** The project would amend the community plan to allow for residential uses on the project site, thus increasing the supply of land designated for residential density.
General Plan Policy CE-A.13 and CE-F.4 CE-A.13 Plant trees (consistent with habitat and water conservation policies) for their many environmental benefits, including natural carbon sequestration. a. Encourage the use of native plant species. b. Avoid trees and plant species that are on the California Invasive Plant Council watch list. CE-F.4 Preserve and plant trees, and plants that are consistent with habitat and water conservation policies and that absorb carbon dioxide and pollutants.	**Consistent**. The project would include landscaping improvements that incorporate a variety of drought tolerant new tree plantings on-site and along internal streets per the landscape plans.
General Plan Policy CE-I.5 and CE-I.10 CE-I.5 Support the installation of photovoltaic panels, and other forms of renewable energy production. CE-I.10 Use renewable energy sources to generate energy to the extent feasible.	**Consistent**. The project will install Photovoltaic panels on each unit.
General Plan Policy EP-B.17 Evaluate the amount and type of commercial development that is desirable and supportable for a community during the community plan update process and in subsequent community plan	**Consistent.** The project proposes rezoning an underutilized commercial site from CC-2-3 to RM-2-5 and redesignating the site from Specialized Commercial to Residential-Medium Density. This would allow residential uses on the project site. The project site is also located in

amendments. Reduce excess commercially designated land by providing for appropriate reuse or alternative use. Consider re-designating commercial land characterized by commercial retail and service uses to residential or mixed-use where some or all of the following factors are present: • Where the lot size or configuration is inadequate, or other site characteristics result in an inability to develop or sustain a viable commercial use; • Where site driveways could adversely affect traffic flow; • Where community facilities are accessible for community members; • Where the existing use is underutilized and there is an adequate supply of community-serving commercial uses; • Where there is good transit, pedestrian and bicycle connectivity with employment areas; or Where it would not impact the viability for base sector use of any adjacent land identified as prime industrial land on Figure EP-1	an area that is served by public transit and bicycle supportive infrastructure.
Climate Action Plan Strategies	
Strategy 1: Decarbonization of the Built Environment.	
Measure 1.1: Decarbonize Existing Buildings • Develop a comprehensive roadmap to achieve decarbonization of the existing building stock including, programs, regulatory and incentive tools that includes extensive engagement and utilization of a shared-decision making model with Communities of Concern. Develop a Building Performance Standards (BPS) policy.	**Not applicable.** The Project would not utilize existing buildings
Measure 1.2: Decarbonize New Building Development Develop and adopt a Building Electrification policy, through code update or other mechanism, requiring new residential and commercial buildings to eliminate the use of natural gas, increase energy efficiency, increase distributed energy generation and storage and increase EV charging stations, engaging with residents of Communities of Concern, workers, and builders.	**Consistent**. The Project would be required to comply with applicable codes in effect at the time of building permits. The Project would be consistent with the 2025 CALGreen building standards, which go into effect on January 1, 2026.
Measure 1.3: Decarbonize City Facilities Develop and adopt a municipal energy implementation plan and zero carbon emissions buildings and operations policies.	**Not applicable**. The Project would not involve City facilities.
Strategy 2: Access to Clean & Renewable Energy	

Measure 2.1: Citywide Renewable Energy Generation • Partner with San Diego Community Power (SDCP) to increase customer adoption of 100% renewable energy supply. Partner with SDCP to incentivize local generation of renewable energy resources.	**Not applicable.** The Project would not involve City facilities.
Measure 2.2: Increase Municipal Zero Emission Vehicles Develop a City Fleet Vehicle Replacement and Electrification strategy consistent with the Municipal Energy Implementation Plan and state requirements for municipal electrification.	**Not applicable**. The Project would not involve City facilities.
Measure 2.3: Increase Electric Vehicle Adoption Develop a citywide electric vehicle strategy to accelerate EV adoption, including flexible fleets, circulators and electric bicycles, focusing on the barriers to ownership and charging for residents within the Communities of Concern.	**Not applicable**. The Project would not involve City facilities.
Strategy 3: Mobility & Land Use	
Measure 3.1: Safe and Enjoyable Routes for Pedestrians and Cyclists • Implement the City's Bicycle Master Plan and community plan bicycle networks with a Class IV First approach. • Develop a Mobility Master Plan to reduce mobile sources emissions and further a shift in mode.	**Consistent**: The project site is located within an urban area of the Rancho Bernardo community. Access to nearby bicycle facilities and pedestrian infrastructure is available. The project would not interfere with the implementation of pedestrian or bicycle improvements and would add new residential development in an area with existing mobility options.
Measure 3.2: Increase Safe, Convenient, and Enjoyable Transit Use Ensure every high-volume transit stop has access to transit shelters, which include shade structures and benches; work with MTS to establish standard for the provision of bus shelters in the city (e.g., minimum accommodations) with a priority in Communities of Concern.	**Consistent.** The project site is located within an urban area with access to nearby bus service and mobility options. The project would not interfere with the implementation of transit improvements and would add new residential development in an area with existing transit access.
Measure 3.3: Work from Anywhere • Amend the Land Development Code to include mandatory transportation demand management (TDM) regulations - citywide. • Develop a City employee TDM policy.	**Not applicable.** The Project would not involve City facilities.
Measure 3.4: Reduce Traffic Congestion to Improve Air Quality • Install traffic circles and roundabouts. Re-time traffic signals to reduce vehicle fuel consumption through improving the flow of traffic.	**Consistent**. The project would not interfere with the City's ability to retime traffic signals or install new roundabouts. In fact, the Project will upgrade the traffic controller at the Bernardo Center Drive / Rancho Bernardo Road intersection and install pedestrian countdown heads, LPI signal phasing and continental crosswalks at all pedestrian crossings at the intersection of the Bernardo Center Drive / Bernardo Plaza Court. Together, those modifications will improve pedestrian mobility in the area. Moreover, the project, which is within a commercial and retail area, would provide occupants an opportunity to

	utilize alternative modes of transportation that could reduce vehicle trips, resulting in reduced VMT and reduced air and GHG emissions, satisfying the City's sustainability goals and policies within the General Plan and CAP. The project would not conflict with this CAP Measure.
Measure 3.5: Climate-Focused Land Use • Focus new development in areas that will allow residents, employees and visitors to safely, conveniently and enjoyably travel as a pedestrian, or by biking, or transit, such as in Transit Priority Areas (TPAs), and areas of the city with the lowest amount of vehicular travel. • Plan for land uses that will allow existing residents, employees and visitors to more safely, conveniently and enjoyably travel as a pedestrian, by walking, biking, or transit. Update the placemaking ordinance to better support mode shift, to increase accessibility, walkability, and activate public spaces.	**Consistent**. The Project includes residential development within an existing urban area that has access to pedestrian facilities, bicycle infrastructure, and nearby transit service. The Project would not interfere with implementation of Measure 3.5 and would support development patterns that reduce vehicle travel.
Measure 3.6: Vehicle Management • Optimize use of curb space including management of on-street parking in TPAs. • Amend the land development code to eliminate parking minimum requirements. • Amend the land development code to establish parking maximum requirements for use types and locations where appropriate. Amend the land development code to prohibit new auto-oriented land uses that would create conflicts with walking and bicycling within TPAs.	**Not applicable**. The project does not include on-street parking and would not interfere with the City's ability to amend the land development code.
Strategy 4: Circular Economy & Clean Communities	
Measure 4.1: Changes to the Waste System • Approve and implement the Polystyrene Foam and Single Use Plastics Ordinance, pending Environmental Impact Report. Expand the Polystyrene Foam and Single Use Plastics Ordinance to phase-out single-use materials and prioritize reuse rather than disposable goods.	**Not applicable**. The Project is residential development and would not change regulations at the City for the waste system.
Measure 4.2: Municipal Waste Reduction • Capture landfill methane gas emissions. • Update the City's administrative regulations to include purchasing requirements for sustainable products and food, including specific carbon and water footprint requirements for beef, pork, chicken, turkey and dairy and specific requirements for local, healthy, sustainable foods. Include procurement targets, with a focus on the maintenance of street easements, parks, and other green spaces, for purchasing compost through the	**Not applicable.** The Project is residential development and would not involve municipal purchasing or waste management programs.

Miramar Greenery or other local composting facilities to expand the demand and production of high-quality compost in the city.	
Measure 4.3: Local Food Systems & Food Recovery • Create a food council or advisory board with stakeholders. • Invest in food waste prevention expansion; expand edible food recovery infrastructure and partnerships. • Establish subject matter expert team across City departments to work with community to expand urban agricultural programs and develop policies to encourage community-based farms. • Invest in local food sourcing, aggregation, distribution and processing infrastructure network, particularly in low-income communities.	**Not applicable.** The Project is residential development and does not involve City food service operations, public events, or municipal food recycling programs.
Measure 4.4: Zero Waste to Landfill • Update, adopt and implement the Zero Waste Plan. • Create a community reuse and repair program to increase waste diversion, reduce material consumption and develop training and learning opportunities. • Increase public awareness of and access to opportunities for reuse, product rentals, repair, and donation. Support and expand citywide reuse infrastructure.	**Consistent.** The Project would prepare a Waste Management Plan to identify measures to reduce and recycle construction and demolition waste.
Measure 4.5: Capture Methane from Wastewater Treatment Facilities Capture methane gas from wastewater treatment.	Not applicable. The residential Project does not have a wastewater treatment facility
Strategy 5: Resilient Infrastructure	
Measure 5.1: Sequestration • Protect, restore and enhance urban canyons. Support habitat restoration of urban canyons, inclusion of environmental education and recreation opportunities, and continued preservation. • Develop an area specific management plan to protect, restore and preserve wetland and upland areas on City managed lands, prioritizing Communities of Concern. Develop Natural Resource Management Plans on all managed preserved lands and include in plans the sequestration as the information becomes available.	**Not applicable**. The Project does not involve City-managed lands or habitat restoration programs.
Measure 5.2: Tree Canopy • Create a Street Tree Master Plan with a target of planting 100,000 trees by 2035. Within the Street Tree Master Plan, identify City lands and spaces that need trees and identify ways to increase permeable areas for new trees, focused in Communities of Concern.	**Consistent**. The Project would include landscaping improvements that incorporate tree planting on-site and along internal streets consistent with applicable development regulations.

• Support expansion of urban tree canopy in parks and along active transportation network. Prioritize implementation in Communities of Concern. • Develop policies that encourage and incentivize developers, homeowner associations, and other organizations to preserve, maintain and plant trees. Protect and maintain all healthy City trees that have minimal conflicts to existing and future infrastructure, by use of policy, code, public outreach and code enforcement.	
Measure 5.3: Local Water Supply • Develop local water supply and reduce dependence on imported water. Support ongoing gallon per capita water use (GPCD) targets.	**Consistent**. The Project would comply with applicable water efficiency requirements, including CALGreen, which includes water conservation measures.
Strategy 6: Emerging Climate Actions	
Measure 6.1: Explore further opportunities to achieve net zero GHG emissions • Explore policies and incentive programs to electrify construction equipment • Build programs and partnerships to recognize and incentivize business practices that align and implement the CAP strategies and measures. • Identify opportunities to improve city processes to facilitate faster deployment of technologies and practices in San Diego. • Investigate advanced air quality control systems, including GHG removal technologies and criteria pollutant control technologies. • Exploring the use of GHG emission offsets which can include techniques such as increasing carbon sequestration in soils, forests and farmland, purchasing clean electricity credits from neighboring states, or through emerging technological approaches such as the direct capture and removal of carbon from the atmosphere. • Participate in research around regional and/or local benefitting offset programs that ensure the benefits of investments are prioritized in the City's Communities of Concern. • Continue to engage on the development of research and data around the sequestration potential of various types of natural spaces including blue carbon sequestration, more specifically develop a citywide sequestration standard for wetlands restoration. • Support partners such as tribal governments and universities to restore salt marshes and wetlands ecosystems for sequestration.	**Not Applicable**. The Project is a residential development and would not change or conflict with City research or policy initiatives.

• As it pertains to GHG avoidance, the City's CAP Implementation Plan will focus and prioritize the core benefit of air quality to support the shared regional efforts to address nonattainment and improve air quality equitably. • Advocate for APCD to develop CERP-like plans in all communities. Support the regional efforts to address nonattainment, toxic air contaminants in Communities of Concern.	

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ATTACHMENT A

CalEEMod Emission Model – Proposed CPA Buildout (160 Units)

City View - CPA Buildout 160 MF Homes v2 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	City View - CPA Buildout 160 MF Homes v2
Construction Start Date	1/1/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20000
Precipitation (days)	26.2000
Location	33.021491828495485, -117.07630844835754
County	San Diego
City	San Diego
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6124
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.37

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
Condo/Townhouse	160.000	Dwelling Unit	3.65000	369,318	1.50000	—	446.000	—

Parking Lot	1.85000	Acre	1.85000	1.000000	0.05000	—	—	—

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	49.3577	29.2121	30.5422	0.05250	1.24251	19.8050	21.0475	1.14311	10.1371	11.2802	—	6,601.05	6,601.05	0.29686	0.52076	6,770.49
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.49597	10.7772	17.6185	0.02627	0.38441	1.08375	1.46816	0.35412	0.25861	0.61273	—	3,828.89	3,828.89	0.16653	0.12057	3,869.11
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.09882	5.83914	8.36281	0.01324	0.21699	1.66183	1.87882	0.19778	0.67328	0.87106	—	1,784.14	1,784.14	0.07775	0.09487	1,802.40
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29554	1.06564	1.52621	0.00242	0.03960	0.30328	0.34288	0.03609	0.12287	0.15897	—	295.385	295.385	0.01287	0.01571	298.408

2.2. Construction Emissions by Year, Unmitigated

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

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

2026	3.20712	29.2121	29.5647	0.05250	1.24251	19.8050	21.0475	1.14311	10.1371	11.2802	—	6,601.05	6,601.05	0.29686	0.52076	6,770.49
2027	49.3577	18.0631	30.5422	0.04195	0.65950	1.40546	2.06497	0.60720	0.33402	0.94123	—	5,853.20	5,853.20	0.24369	0.14105	5,906.78
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.49597	10.7772	17.6185	0.02627	0.38441	1.08375	1.46816	0.35412	0.25861	0.61273	—	3,828.89	3,828.89	0.16653	0.12057	3,869.11
2027	1.43922	10.2834	17.3340	0.02627	0.34233	1.08375	1.42608	0.31540	0.25861	0.57402	—	3,802.76	3,802.76	0.16653	0.11769	3,842.11
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.65920	5.83914	7.05378	0.01324	0.21699	1.66183	1.87882	0.19778	0.67328	0.87106	—	1,764.40	1,764.40	0.07775	0.09487	1,795.43
2027	7.09882	4.95108	8.36281	0.01236	0.16700	0.49402	0.66102	0.15384	0.11765	0.27149	—	1,784.14	1,784.14	0.07677	0.05193	1,802.40
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.12030	1.06564	1.28732	0.00242	0.03960	0.30328	0.34288	0.03609	0.12287	0.15897	—	292.117	292.117	0.01287	0.01571	297.254
2027	1.29554	0.90357	1.52621	0.00226	0.03048	0.09016	0.12064	0.02808	0.02147	0.04955	—	295.385	295.385	0.01271	0.00860	298.408

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.8597	3.11168	33.1805	0.06419	0.11389	5.27975	5.39363	0.11006	1.33913	1.44919	74.4790	7,132.41	7,206.89	7.91426	0.26536	7,502.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.0019	3.24113	22.8827	0.06119	0.10966	5.27975	5.38941	0.10688	1.33913	1.44601	74.4790	6,844.90	6,919.38	7.93155	0.27891	7,203.85
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.3483	3.25034	27.3056	0.06178	0.11174	5.19088	5.30262	0.10844	1.31692	1.42536	74.4790	6,896.59	6,971.07	7.92666	0.27642	7,261.30
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.25356	0.59319	4.98327	0.01127	0.02039	0.94734	0.96773	0.01979	0.24034	0.26013	12.3308	1,141.81	1,154.14	1.31235	0.04577	1,202.19

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.47076	2.19495	23.7337	0.05849	0.04247	5.27975	5.32222	0.03969	1.33913	1.37882	—	5,958.55	5,958.55	0.27851	0.22850	6,049.91
Area	9.34035	0.08596	9.09334	0.00039	0.00425	—	0.00425	0.00320	—	0.00320	0.00000	24.2701	24.2701	0.00101	0.00020	24.3555
Energy	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,144.87	1,144.87	0.15944	0.01000	1,151.83
Water	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Waste	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Total	12.8597	3.11168	33.1805	0.06419	0.11389	5.27975	5.39363	0.11006	1.33913	1.44919	74.4790	7,132.41	7,206.89	7.91426	0.26536	7,502.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.40409	2.41036	22.5292	0.05589	0.04249	5.27975	5.32224	0.03971	1.33913	1.37884	—	5,695.31	5,695.31	0.29681	0.24225	5,775.34
Area	8.54919	0.00000	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	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,144.87	1,144.87	0.15944	0.01000	1,151.83
Water	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Waste	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Total	12.0019	3.24113	22.8827	0.06119	0.10966	5.27975	5.38941	0.10688	1.33913	1.44601	74.4790	6,844.90	6,919.38	7.93155	0.27891	7,203.85
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.36032	2.37718	22.4677	0.05628	0.04248	5.19088	5.23336	0.03970	1.31692	1.35661	—	5,735.03	5,735.03	0.29143	0.23966	5,820.77
Area	8.93935	0.04239	4.48439	0.00019	0.00210	—	0.00210	0.00158	—	0.00158	0.00000	11.9688	11.9688	0.00050	0.00010	12.0109
Energy	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,144.87	1,144.87	0.15944	0.01000	1,151.83

Water	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Waste	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Total	12.3483	3.25034	27.3056	0.06178	0.11174	5.19088	5.30262	0.10844	1.31692	1.42536	74.4790	6,896.59	6,971.07	7.92666	0.27642	7,261.30
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.61326	0.43384	4.10036	0.01027	0.00775	0.94734	0.95509	0.00724	0.24034	0.24758	—	949.499	949.499	0.04825	0.03968	963.696
Area	1.63143	0.00774	0.81840	0.00004	0.00038	—	0.00038	0.00029	—	0.00029	0.00000	1.98158	1.98158	0.00008	0.00002	1.98855
Energy	0.00887	0.15161	0.06452	0.00097	0.01226	—	0.01226	0.01226	—	0.01226	—	189.546	189.546	0.02640	0.00166	190.699
Water	—	—	—	—	—	—	—	—	—	—	1.78338	0.78279	2.56618	0.18344	0.00441	8.46757
Waste	—	—	—	—	—	—	—	—	—	—	10.5475	0.00000	10.5475	1.05418	0.00000	36.9020
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43792
Total	2.25356	0.59319	4.98327	0.01127	0.02039	0.94734	0.96773	0.01979	0.24034	0.26013	12.3308	1,141.81	1,154.14	1.31235	0.04577	1,202.19

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.28674	20.6515	19.0056	0.03253	0.84309	—	0.84309	0.77564	—	0.77564	—	3,426.59	3,426.59	0.13900	0.02780	3,438.35
Demolition	—	—	—	—	—	3.69100	3.69100	—	0.55892	0.55892	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12530	1.13159	1.04140	0.00178	0.04620	—	0.04620	0.04250	—	0.04250	—	187.759	187.759	0.00762	0.00152	188.403
Demolition	—	—	—	—	—	0.20225	0.20225	—	0.03063	0.03063	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02287	0.20652	0.19006	0.00033	0.00843	—	0.00843	0.00776	—	0.00776	—	31.0856	31.0856	0.00126	0.00025	31.1922
Demolition	—	—	—	—	—	0.03691	0.03691	—	0.00559	0.00559	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06754	3.90887	1.50114	0.01998	0.05708	0.80000	0.85708	0.03805	0.21903	0.25708	—	3,035.03	3,035.03	0.15126	0.48801	3,190.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00290	0.00255	0.03165	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.27930	7.27930	0.00038	0.00029	7.38657
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
Hauling	0.00360	0.22117	0.08262	0.00109	0.00313	0.04327	0.04640	0.00209	0.01186	0.01395	—	166.330	166.330	0.00829	0.02674	174.657
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00047	0.00578	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.20517	1.20517	0.00006	0.00005	1.22293
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

Hauling	0.00066	0.04036	0.01508	0.00020	0.00057	0.00790	0.00847	0.00038	0.00216	0.00255	—	27.5379	27.5379	0.00137	0.00443	28.9164

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	19.6570	19.6570	—	10.1024	10.1024	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08613	0.79900	0.78927	0.00134	0.03404	—	0.03404	0.03132	—	0.03132	—	145.149	145.149	0.00589	0.00118	145.647
Dust From Material Movement	—	—	—	—	—	0.53855	0.53855	—	0.27678	0.27678	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01572	0.14582	0.14404	0.00024	0.00621	—	0.00621	0.00572	—	0.00572	—	24.0311	24.0311	0.00097	0.00019	24.1135

Dust From Material Movement	—	—	—	—	—	0.09829	0.09829	—	0.05051	0.05051	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06325	0.04852	0.75654	0.00000	0.00000	0.14800	0.14800	0.00000	0.03469	0.03469	—	162.663	162.663	0.00770	0.00578	165.146
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00169	0.00149	0.01846	0.00000	0.00000	0.00399	0.00399	0.00000	0.00093	0.00093	—	4.24626	4.24626	0.00022	0.00017	4.30883
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00031	0.00027	0.00337	0.00000	0.00000	0.00073	0.00073	0.00000	0.00017	0.00017	—	0.70302	0.70302	0.00004	0.00003	0.71338
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
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

3.5. Grading (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64586	14.9701	17.4372	0.02732	0.64622	—	0.64622	0.59452	—	0.59452	—	2,959.64	2,959.64	0.12006	0.02401	2,969.79
Dust From Material Movement	—	—	—	—	—	7.09747	7.09747	—	3.42699	3.42699	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13528	1.23042	1.43320	0.00225	0.05311	—	0.05311	0.04886	—	0.04886	—	243.258	243.258	0.00987	0.00197	244.093
Dust From Material Movement	—	—	—	—	—	0.58335	0.58335	—	0.28167	0.28167	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02469	0.22455	0.26156	0.00041	0.00969	—	0.00969	0.00892	—	0.00892	—	40.2741	40.2741	0.00163	0.00033	40.4123
Dust From Material Movement	—	—	—	—	—	0.10646	0.10646	—	0.05140	0.05140	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06522	3.77450	1.44954	0.01929	0.05512	0.77250	0.82762	0.03674	0.21150	0.24824	—	2,930.70	2,930.70	0.14606	0.47124	3,080.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00435	0.00383	0.04747	0.00000	0.00000	0.01025	0.01025	0.00000	0.00240	0.00240	—	10.9189	10.9189	0.00057	0.00043	11.0799
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
Hauling	0.00521	0.32035	0.11967	0.00159	0.00453	0.06268	0.06721	0.00302	0.01718	0.02020	—	240.919	240.919	0.01200	0.03873	252.979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00079	0.00070	0.00866	0.00000	0.00000	0.00187	0.00187	0.00000	0.00044	0.00044	—	1.80776	1.80776	0.00009	0.00007	1.83440
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
Hauling	0.00095	0.05846	0.02184	0.00029	0.00083	0.01144	0.01227	0.00055	0.00314	0.00369	—	39.8869	39.8869	0.00199	0.00641	41.8836

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47

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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21169	1.94766	2.56283	0.00462	0.07484	—	0.07484	0.06885	—	0.06885	—	473.819	473.819	0.01922	0.00384	475.445
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03863	0.35545	0.46772	0.00084	0.01366	—	0.01366	0.01257	—	0.01257	—	78.4461	78.4461	0.00318	0.00064	78.7153
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41636	0.31940	4.98022	0.00000	0.00000	0.97428	0.97428	0.00000	0.22837	0.22837	—	1,070.79	1,070.79	0.05072	0.03802	1,087.14
Vendor	0.01443	0.54135	0.25466	0.00288	0.00575	0.10947	0.11522	0.00575	0.03024	0.03600	—	420.164	420.164	0.01603	0.06056	439.636
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41128	0.35996	4.39313	0.00000	0.00000	0.97428	0.97428	0.00000	0.22837	0.22837	—	1,011.23	1,011.23	0.05326	0.04056	1,024.75
Vendor	0.01367	0.56328	0.25895	0.00288	0.00575	0.10947	0.11522	0.00575	0.03024	0.03600	—	420.421	420.421	0.01603	0.06056	438.895
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08029	0.07064	0.87678	0.00000	0.00000	0.18933	0.18933	0.00000	0.04433	0.04433	—	201.658	201.658	0.01053	0.00802	204.630
Vendor	0.00278	0.11044	0.05044	0.00057	0.00114	0.02133	0.02247	0.00114	0.00590	0.00704	—	83.0680	83.0680	0.00317	0.01197	86.8020
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01465	0.01289	0.16001	0.00000	0.00000	0.03455	0.03455	0.00000	0.00809	0.00809	—	33.3868	33.3868	0.00174	0.00133	33.8788
Vendor	0.00051	0.02016	0.00920	0.00010	0.00021	0.00389	0.00410	0.00021	0.00108	0.00128	—	13.7529	13.7529	0.00052	0.00198	14.3711
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

3.9. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44541	4.06144	5.59547	0.01012	0.14556	—	0.14556	0.13392	—	0.13392	—	1,036.70	1,036.70	0.04205	0.00841	1,040.26
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08129	0.74121	1.02117	0.00185	0.02657	—	0.02657	0.02444	—	0.02444	—	171.638	171.638	0.00696	0.00139	172.227
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40621	0.28392	4.72170	0.00000	0.00000	0.97428	0.97428	0.00000	0.22837	0.22837	—	1,052.67	1,052.67	0.04818	0.03802	1,068.62
Vendor	0.01443	0.51895	0.24490	0.00288	0.00575	0.10947	0.11522	0.00575	0.03024	0.03600	—	411.225	411.225	0.01566	0.05768	429.724
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39605	0.35488	4.14723	0.00000	0.00000	0.97428	0.97428	0.00000	0.22837	0.22837	—	994.181	994.181	0.05326	0.04056	1,007.69
Vendor	0.01330	0.53763	0.24881	0.00288	0.00575	0.10947	0.11522	0.00575	0.03024	0.03600	—	411.501	411.501	0.01603	0.05768	429.115
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17019	0.15238	1.81545	0.00000	0.00000	0.41427	0.41427	0.00000	0.09699	0.09699	—	433.815	433.815	0.02194	0.01644	439.901
Vendor	0.00591	0.23072	0.10738	0.00124	0.00249	0.04667	0.04916	0.00249	0.01291	0.01540	—	177.899	177.899	0.00693	0.02495	185.678
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03106	0.02781	0.33132	0.00000	0.00000	0.07560	0.07560	0.00000	0.01770	0.01770	—	71.8231	71.8231	0.00363	0.00272	72.8306
Vendor	0.00108	0.04211	0.01960	0.00023	0.00045	0.00852	0.00897	0.00045	0.00236	0.00281	—	29.4532	29.4532	0.00115	0.00413	30.7411
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

3.11. Paving (2027) - Unmitigated

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

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

Off-Road Equipment	0.73744	6.94439	9.95313	0.01395	0.29813	—	0.29813	0.27428	—	0.27428	—	1,511.11	1,511.11	0.06130	0.01226	1,516.29
Paving	0.24235	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04041	0.38051	0.54538	0.00076	0.01634	—	0.01634	0.01503	—	0.01503	—	82.8004	82.8004	0.00336	0.00067	83.0845
Paving	0.01328	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00737	0.06944	0.09953	0.00014	0.00298	—	0.00298	0.00274	—	0.00274	—	13.7085	13.7085	0.00056	0.00011	13.7556
Paving	0.00242	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05289	0.03697	0.61480	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	137.066	137.066	0.00627	0.00495	139.143
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00281	0.00251	0.02995	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.15662	7.15662	0.00036	0.00027	7.25701

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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00051	0.00046	0.00547	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.18486	1.18486	0.00006	0.00004	1.20148
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
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

3.13. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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	46.6799	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01553	0.11386	0.15416	0.00024	0.00261	—	0.00261	0.00240	—	0.00240	—	18.2894	18.2894	0.00074	0.00015	18.3522
Architectural Coatings	6.39451	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.02078	0.02813	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	3.02802	3.02802	0.00012	0.00002	3.03841
Architectural Coatings	1.16700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08124	0.05678	0.94434	0.00000	0.00000	0.19486	0.19486	0.00000	0.04567	0.04567	—	210.535	210.535	0.00964	0.00760	213.724
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01078	0.00965	0.11501	0.00000	0.00000	0.02624	0.02624	0.00000	0.00614	0.00614	—	27.4815	27.4815	0.00139	0.00104	27.8670
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00197	0.00176	0.02099	0.00000	0.00000	0.00479	0.00479	0.00000	0.00112	0.00112	—	4.54988	4.54988	0.00023	0.00017	4.61370
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
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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.47076	2.19495	23.7337	0.05849	0.04247	5.27975	5.32222	0.03969	1.33913	1.37882	—	5,958.55	5,958.55	0.27851	0.22850	6,049.91
Parking Lot	0.00000	0.00000	0.00000	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	3.47076	2.19495	23.7337	0.05849	0.04247	5.27975	5.32222	0.03969	1.33913	1.37882	—	5,958.55	5,958.55	0.27851	0.22850	6,049.91
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.40409	2.41036	22.5292	0.05589	0.04249	5.27975	5.32224	0.03971	1.33913	1.37884	—	5,695.31	5,695.31	0.29681	0.24225	5,775.34
Parking Lot	0.00000	0.00000	0.00000	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	3.40409	2.41036	22.5292	0.05589	0.04249	5.27975	5.32224	0.03971	1.33913	1.37884	—	5,695.31	5,695.31	0.29681	0.24225	5,775.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.61326	0.43384	4.10036	0.01027	0.00775	0.94734	0.95509	0.00724	0.24034	0.24758	—	949.499	949.499	0.04825	0.03968	963.696
Parking Lot	0.00000	0.00000	0.00000	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	0.61326	0.43384	4.10036	0.01027	0.00775	0.94734	0.95509	0.00724	0.24034	0.24758	—	949.499	949.499	0.04825	0.03968	963.696

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	81.6350	81.6350	0.05973	0.00724	85.2860
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.72244	8.72244	0.00638	0.00077	9.11254
Total	—	—	—	—	—	—	—	—	—	—	—	90.3574	90.3574	0.06612	0.00801	94.3985
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	81.6350	81.6350	0.05973	0.00724	85.2860
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.72244	8.72244	0.00638	0.00077	9.11254
Total	—	—	—	—	—	—	—	—	—	—	—	90.3574	90.3574	0.06612	0.00801	94.3985
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	13.5156	13.5156	0.00989	0.00120	14.1201
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.44410	1.44410	0.00106	0.00013	1.50868
Total	—	—	—	—	—	—	—	—	—	—	—	14.9597	14.9597	0.01095	0.00133	15.6288

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,054.51	1,054.51	0.09332	0.00199	1,057.44
Parking Lot	0.00000	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	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,054.51	1,054.51	0.09332	0.00199	1,057.44
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,054.51	1,054.51	0.09332	0.00199	1,057.44
Parking Lot	0.00000	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	0.04861	0.83076	0.35352	0.00530	0.06717	—	0.06717	0.06717	—	0.06717	—	1,054.51	1,054.51	0.09332	0.00199	1,057.44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00887	0.15161	0.06452	0.00097	0.01226	—	0.01226	0.01226	—	0.01226	—	174.586	174.586	0.01545	0.00033	175.071
Parking Lot	0.00000	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	0.00887	0.15161	0.06452	0.00097	0.01226	—	0.01226	0.01226	—	0.01226	—	174.586	174.586	0.01545	0.00033	175.071

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Consumer Products	7.90974	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63945	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.79115	0.08596	9.09334	0.00039	0.00425	—	0.00425	0.00320	—	0.00320	—	24.2701	24.2701	0.00101	0.00020	24.3555
Total	9.34035	0.08596	9.09334	0.00039	0.00425	—	0.00425	0.00320	—	0.00320	0.00000	24.2701	24.2701	0.00101	0.00020	24.3555
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
Consumer Products	7.90974	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63945	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.54919	0.00000	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
Consumer Products	1.44353	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07120	0.00774	0.81840	0.00004	0.00038	—	0.00038	0.00029	—	0.00029	—	1.98158	1.98158	0.00008	0.00002	1.98855
Total	1.63143	0.00774	0.81840	0.00004	0.00038	—	0.00038	0.00029	—	0.00029	0.00000	1.98158	1.98158	0.00008	0.00002	1.98855

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	10.7717	4.72812	15.4998	1.10798	0.02666	51.1446
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	1.78338	0.78279	2.56618	0.18344	0.00441	8.46757
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	1.78338	0.78279	2.56618	0.18344	0.00441	8.46757

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

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	63.7073	0.00000	63.7073	6.36731	0.00000	222.890
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	10.5475	0.00000	10.5475	1.05418	0.00000	36.9020
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	10.5475	0.00000	10.5475	1.05418	0.00000	36.9020

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43792
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43792

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	6/1/2026	6/26/2026	5.00000	20.0000	—
Site Preparation	Site Preparation	6/27/2026	7/10/2026	5.00000	10.00000	—
Grading	Grading	7/11/2026	8/21/2026	5.00000	30.0000	—
Building Construction	Building Construction	9/22/2026	8/9/2027	5.00000	230.000	—
Paving	Paving	7/13/2027	8/9/2027	5.00000	20.0000	—
Architectural Coating	Architectural Coating	6/1/2027	8/9/2027	5.00000	50.0000	—

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/Backhoes	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/Backhoes	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/Backhoes	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	11.9700	LDA,LDT1,LDT2
Demolition	Vendor	—	7.63000	HHDT,MHDT
Demolition	Hauling	43.1500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	11.9700	LDA,LDT1,LDT2
Site Preparation	Vendor	—	7.63000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Grading	Vendor	—	7.63000	HHDT,MHDT

Grading	Hauling	41.6667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	115.200	11.9700	LDA,LDT1,LDT2
Building Construction	Vendor	17.1042	7.63000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Paving	Vendor	—	7.63000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	23.0401	11.9700	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63000	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

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	747,869	249,290	0.00000	0.00000	4,835.16

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	75,000.0	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000
Grading	10,000.00	—	30.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	1.85000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Condo/Townhouse	—	0%
Paving	Parking Lot	1.85000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	588.983	0.03300	0.00400
2027	0.00000	588.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	960.000	960.000	960.000	350,400	7,475.64	7,475.64	7,475.64	2,728,607
Parking Lot	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)
Condo/Townhouse	Wood Fireplaces	0	0
Condo/Townhouse	Gas Fireplaces	0	0
Condo/Townhouse	Propane Fireplaces	0	0
Condo/Townhouse	Electric Fireplaces	0	0
Condo/Townhouse	No Fireplaces	160	160
Condo/Townhouse	Conventional Wood Stoves	0	0
Condo/Townhouse	Catalytic Wood Stoves	0	0
Condo/Townhouse	Non-Catalytic Wood Stoves	0	0
Condo/Townhouse	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	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)
747,869	249,290	0.00000	0.00000	4,835.16

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)
Condo/Townhouse	660,697	45.0990	0.0330	0.0040	3,290,357
Parking Lot	70,593.3	45.0990	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	5,621,292	27.3976
Parking Lot	0.00000	0.74721

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	118.209	0.00000
Parking Lot	0.00000	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
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	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

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	16.8400	annual days of extreme heat
Extreme Precipitation	4.15000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.1500	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	56.9633
AQ-PM	31.8979
AQ-DPM	33.8270
Drinking Water	28.9871
Lead Risk Housing	15.2111
Pesticides	0.00000
Toxic Releases	9.32733
Traffic	45.0625
Effect Indicators	—
CleanUp Sites	9.59313
Groundwater	14.3118
Haz Waste Facilities/Generators	28.2991
Impaired Water Bodies	72.1546
Solid Waste	0.00000
Sensitive Population	—
Asthma	7.40279
Cardio-vascular	14.5189
Low Birth Weights	—
Socioeconomic Factor Indicators	—

Education	13.1106
Housing	74.0431
Linguistic	18.1080
Poverty	31.2563
Unemployment	1.54867

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	62.06852303
Employed	44.42448351
Median HI	25.45874503
Education	—
Bachelor's or higher	75.55498524
High school enrollment	100
Preschool enrollment	67.15000642
Transportation	—
Auto Access	10.03464648
Active commuting	51.39227512
Social	—
2-parent households	63.04375722
Voting	99.85884768
Neighborhood	—
Alcohol availability	48.18426793
Park access	2.194276915
Retail density	89.14410368
Supermarket access	66.52123701

Tree canopy	19.8639805
Housing	—
Homeownership	52.99627871
Housing habitability	13.93558322
Low-inc homeowner severe housing cost burden	10.20146285
Low-inc renter severe housing cost burden	5.389452072
Uncrowded housing	96.93314513
Health Outcomes	—
Insured adults	83.98562813
Arthritis	0.3
Asthma ER Admissions	93.3
High Blood Pressure	0.3
Cancer (excluding skin)	0.2
Asthma	94.4
Coronary Heart Disease	0.4
Chronic Obstructive Pulmonary Disease	3.9
Diagnosed Diabetes	5.2
Life Expectancy at Birth	28.3
Cognitively Disabled	9.6
Physically Disabled	0.3
Heart Attack ER Admissions	75.2
Mental Health Not Good	99.2
Chronic Kidney Disease	0.3
Obesity	92.5
Pedestrian Injuries	72.3
Physical Health Not Good	43.5
Stroke	1.0
Health Risk Behaviors	—

Binge Drinking	99.7
Current Smoker	99.8
No Leisure Time for Physical Activity	48.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	99.4
Elderly	0.2
English Speaking	56.9
Foreign-born	19.3
Outdoor Workers	87.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	31.8
Traffic Density	78.1
Traffic Access	23.0
Other Indices	—
Hardship	37.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	6.00000
Healthy Places Index Score for Project Location (b)	55.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	GP Buildout 160 Units
Construction: Construction Phases	Worst-Case (Fastest) construction build
Operations: Vehicle Data	Updated per TS
Operations: Hearths	No Hearth Options will be Provided

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	10.00000	3.65000
Building Area	sq. ft	169,600	369,318
Landscape Area	sq. ft	—	1.50000
Building Area	sq. ft	0.00000	1.000000
Landscape Area	sq. ft	—	0.05000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	Start Date	1/1/2026	6/1/2026
Demolition	Demolition	End Date	1/29/2026	6/26/2026
Site Preparation	Site Preparation	Start Date	1/30/2026	6/27/2026
Site Preparation	Site Preparation	End Date	2/13/2026	7/10/2026
Grading	Grading	Start Date	2/14/2026	7/11/2026
Grading	Grading	End Date	3/14/2026	8/21/2026
Grading	Grading	Work Days per Phase	20.0000	30.0000
Building Construction	Building Construction	Start Date	3/15/2026	9/22/2026
Building Construction	Building Construction	End Date	1/31/2027	8/9/2027
Paving	Paving	Start Date	2/1/2027	7/13/2027
Paving	Paving	End Date	3/1/2027	8/9/2027
Architectural Coating	Architectural Coating	Start Date	3/2/2027	6/1/2027
Architectural Coating	Architectural Coating	End Date	3/30/2027	8/9/2027
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	50.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Weekday Trip Rate	size/day	7.32000	6.00000
Condo/Townhouse	Saturday Trip Rate	size/day	8.14000	6.00000
Condo/Townhouse	Sunday Trip Rate	size/day	6.28000	6.00000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Condo/Townhouse	Wood Fireplaces	56	0
Condo/Townhouse	Gas Fireplaces	88	0
Condo/Townhouse	No Fireplaces	16	160
Condo/Townhouse	Catalytic Wood Stoves	8	0
Condo/Townhouse	Non-Catalytic Wood Stoves	8	0

ATTACHMENT B

CalEEMod Emission Model – Proposed Project (122 Units)

City View (122 Unit Residential) v2 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	City View (122 Unit Residential) v2
Construction Start Date	1/1/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20000
Precipitation (days)	26.2000
Location	33.021491828495485, -117.07630844835754
County	San Diego
City	San Diego
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6124
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.37

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
Condo/Townhouse	122.000	Dwelling Unit	4.09000	281,605	1.50000	—	340.000	—

Parking Lot	1.41000	Acre	1.41000	0.25000	0.05000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0943	29.2121	29.5647	0.05250	1.24251	19.8050	21.0475	1.14311	10.1371	11.2802	—	6,601.05	6,601.05	0.29686	0.52076	6,770.49
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.39504	10.5580	16.5136	0.02559	0.38304	0.82636	1.20940	0.35275	0.19719	0.54994	—	3,488.87	3,488.87	0.15008	0.09655	3,521.49
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.53256	5.79613	7.87881	0.01311	0.21672	1.61180	1.82852	0.19751	0.66135	0.85886	—	1,696.78	1,696.78	0.07450	0.09012	1,726.21
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.00969	1.05779	1.43788	0.00239	0.03955	0.29415	0.33370	0.03605	0.12070	0.15674	—	280.921	280.921	0.01233	0.01492	285.795

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.20712	29.2121	29.5647	0.05250	1.24251	19.8050	21.0475	1.14311	10.1371	11.2802	—	6,601.05	6,601.05	0.29686	0.52076	6,770.49
2027	38.0943	17.8589	29.1384	0.04127	0.65814	1.10179	1.75993	0.60584	0.26175	0.86759	—	5,455.51	5,455.51	0.22624	0.11651	5,500.16
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.39504	10.5580	16.5136	0.02559	0.38304	0.82636	1.20940	0.35275	0.19719	0.54994	—	3,488.87	3,488.87	0.15008	0.09655	3,521.49
2027	1.34200	10.0715	16.2899	0.02559	0.34096	0.82636	1.16732	0.31404	0.19719	0.51123	—	3,468.91	3,468.91	0.15007	0.09436	3,500.86
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.63948	5.79613	6.83357	0.01311	0.21672	1.61180	1.82852	0.19751	0.66135	0.85886	—	1,696.78	1,696.78	0.07450	0.09012	1,726.21
2027	5.53256	4.85780	7.87881	0.01207	0.16641	0.37831	0.54472	0.15325	0.09009	0.24333	—	1,632.33	1,632.33	0.06959	0.04186	1,647.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11670	1.05779	1.24713	0.00239	0.03955	0.29415	0.33370	0.03605	0.12070	0.15674	—	280.921	280.921	0.01233	0.01492	285.795
2027	1.00969	0.88655	1.43788	0.00220	0.03037	0.06904	0.09941	0.02797	0.01644	0.04441	—	270.251	270.251	0.01152	0.00693	272.713

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.20712	29.2121	29.5647	0.05250	1.24251	19.8050	21.0475	1.14311	10.1371	11.2802	—	6,601.05	6,601.05	0.29686	0.52076	6,770.49
2027	38.0943	17.8589	29.1384	0.04127	0.65814	1.10179	1.75993	0.60584	0.26175	0.86759	—	5,455.51	5,455.51	0.22624	0.11651	5,500.16
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.39504	10.5580	16.5136	0.02559	0.38304	0.82636	1.20940	0.35275	0.19719	0.54994	—	3,488.87	3,488.87	0.15008	0.09655	3,521.49
2027	1.34200	10.0715	16.2899	0.02559	0.34096	0.82636	1.16732	0.31404	0.19719	0.51123	—	3,468.91	3,468.91	0.15007	0.09436	3,500.86

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.63948	5.79613	6.83357	0.01311	0.21672	1.61180	1.82852	0.19751	0.66135	0.85886	—	1,696.78	1,696.78	0.07450	0.09012	1,726.21
2027	5.53256	4.85780	7.87881	0.01207	0.16641	0.37831	0.54472	0.15325	0.09009	0.24333	—	1,632.33	1,632.33	0.06959	0.04186	1,647.20
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11670	1.05779	1.24713	0.00239	0.03955	0.29415	0.33370	0.03605	0.12070	0.15674	—	280.921	280.921	0.01233	0.01492	285.795
2027	1.00969	0.88655	1.43788	0.00220	0.03037	0.06904	0.09941	0.02797	0.01644	0.04441	—	270.251	270.251	0.01152	0.00693	272.713

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.80552	2.37265	25.3001	0.04894	0.08684	4.02581	4.11265	0.08392	1.02109	1.10501	56.7795	5,438.46	5,495.24	6.03355	0.20234	5,720.83
Mit.	9.76846	1.73920	25.0306	0.04490	0.03563	4.02581	4.06143	0.03270	1.02109	1.05379	56.7795	4,634.62	4,691.40	5.96256	0.20084	4,914.78
% Reduced	< 0.5%	27%	1%	8%	59%	—	1%	61%	—	5%	—	15%	15%	1%	1%	14%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.15144	2.47136	17.4481	0.04666	0.08362	4.02581	4.10942	0.08149	1.02109	1.10258	56.7795	5,219.23	5,276.01	6.04673	0.21267	5,492.90
Mit.	9.11438	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	56.7795	4,415.40	4,472.18	5.97574	0.21117	4,686.84
% Reduced	< 0.5%	26%	2%	9%	61%	—	1%	63%	—	5%	—	15%	15%	1%	1%	15%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.41555	2.47838	20.8205	0.04711	0.08521	3.95804	4.04325	0.08269	1.00415	1.08684	56.7795	5,258.65	5,315.43	6.04301	0.21077	5,536.70
Mit.	9.37849	1.84492	20.5510	0.04306	0.03399	3.95804	3.99203	0.03147	1.00415	1.03562	56.7795	4,454.81	4,511.59	5.97201	0.20928	4,730.64
% Reduced	< 0.5%	26%	1%	9%	60%	—	1%	62%	—	5%	—	15%	15%	1%	1%	15%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.71834	0.45230	3.79974	0.00860	0.01555	0.72234	0.73789	0.01509	0.18326	0.19835	9.40050	870.629	880.030	1.00049	0.03490	916.664
Mit.	1.71157	0.33670	3.75055	0.00786	0.00620	0.72234	0.72855	0.00574	0.18326	0.18900	9.40050	737.545	746.945	0.98874	0.03465	783.212
% Reduced	< 0.5%	26%	1%	9%	60%	—	1%	62%	—	5%	—	15%	15%	1%	1%	15%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06
Area	7.12201	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	0.00000	18.5059	18.5059	0.00077	0.00015	18.5710
Energy	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	872.959	872.959	0.12157	0.00762	878.271
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.80552	2.37265	25.3001	0.04894	0.08684	4.02581	4.11265	0.08392	1.02109	1.10501	56.7795	5,438.46	5,495.24	6.03355	0.20234	5,720.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Area	6.51876	0.00000	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	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	872.959	872.959	0.12157	0.00762	878.271
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.15144	2.47136	17.4481	0.04666	0.08362	4.02581	4.10942	0.08149	1.02109	1.10258	56.7795	5,219.23	5,276.01	6.04673	0.21267	5,492.90

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.56224	1.81260	17.1316	0.04292	0.03239	3.95804	3.99043	0.03027	1.00415	1.03442	—	4,372.96	4,372.96	0.22222	0.18274	4,438.34
Area	6.81625	0.03232	3.41933	0.00015	0.00160	—	0.00160	0.00120	—	0.00120	0.00000	9.12619	9.12619	0.00038	0.00008	9.15830
Energy	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	872.959	872.959	0.12157	0.00762	878.271
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.41555	2.47838	20.8205	0.04711	0.08521	3.95804	4.04325	0.08269	1.00415	1.08684	56.7795	5,258.65	5,315.43	6.04301	0.21077	5,536.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818
Area	1.24397	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	0.00000	1.51095	1.51095	0.00006	0.00001	1.51626
Energy	0.00676	0.11561	0.04919	0.00074	0.00935	—	0.00935	0.00935	—	0.00935	—	144.528	144.528	0.02013	0.00126	145.408
Water	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653
Waste	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391
Total	1.71834	0.45230	3.79974	0.00860	0.01555	0.72234	0.73789	0.01509	0.18326	0.19835	9.40050	870.629	880.030	1.00049	0.03490	916.664

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06
Area	7.12201	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	0.00000	18.5059	18.5059	0.00077	0.00015	18.5710
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	69.1221	69.1221	0.05058	0.00613	72.2135
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.76846	1.73920	25.0306	0.04490	0.03563	4.02581	4.06143	0.03270	1.02109	1.05379	56.7795	4,634.62	4,691.40	5.96256	0.20084	4,914.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Area	6.51876	0.00000	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	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	69.1221	69.1221	0.05058	0.00613	72.2135
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.11438	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	56.7795	4,415.40	4,472.18	5.97574	0.21117	4,686.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.56224	1.81260	17.1316	0.04292	0.03239	3.95804	3.99043	0.03027	1.00415	1.03442	—	4,372.96	4,372.96	0.22222	0.18274	4,438.34
Area	6.81625	0.03232	3.41933	0.00015	0.00160	—	0.00160	0.00120	—	0.00120	0.00000	9.12619	9.12619	0.00038	0.00008	9.15830
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	69.1221	69.1221	0.05058	0.00613	72.2135
Water	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Waste	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	9.37849	1.84492	20.5510	0.04306	0.03399	3.95804	3.99203	0.03147	1.00415	1.03562	56.7795	4,454.81	4,511.59	5.97201	0.20928	4,730.64
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818
Area	1.24397	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	0.00000	1.51095	1.51095	0.00006	0.00001	1.51626
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	11.4440	11.4440	0.00837	0.00102	11.9558
Water	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653
Waste	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391
Total	1.71157	0.33670	3.75055	0.00786	0.00620	0.72234	0.72855	0.00574	0.18326	0.18900	9.40050	737.545	746.945	0.98874	0.03465	783.212

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.28674	20.6515	19.0056	0.03253	0.84309	—	0.84309	0.77564	—	0.77564	—	3,426.59	3,426.59	0.13900	0.02780	3,438.35
Demolition	—	—	—	—	—	3.69100	3.69100	—	0.55892	0.55892	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12530	1.13159	1.04140	0.00178	0.04620	—	0.04620	0.04250	—	0.04250	—	187.759	187.759	0.00762	0.00152	188.403
Demolition	—	—	—	—	—	0.20225	0.20225	—	0.03063	0.03063	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02287	0.20652	0.19006	0.00033	0.00843	—	0.00843	0.00776	—	0.00776	—	31.0856	31.0856	0.00126	0.00025	31.1922
Demolition	—	—	—	—	—	0.03691	0.03691	—	0.00559	0.00559	—	—	—	—	—	—
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06754	3.90887	1.50114	0.01998	0.05708	0.80000	0.85708	0.03805	0.21903	0.25708	—	3,035.03	3,035.03	0.15126	0.48801	3,190.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00290	0.00255	0.03165	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.27930	7.27930	0.00038	0.00029	7.38657
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
Hauling	0.00360	0.22117	0.08262	0.00109	0.00313	0.04327	0.04640	0.00209	0.01186	0.01395	—	166.330	166.330	0.00829	0.02674	174.657
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00047	0.00578	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.20517	1.20517	0.00006	0.00005	1.22293
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
Hauling	0.00066	0.04036	0.01508	0.00020	0.00057	0.00790	0.00847	0.00038	0.00216	0.00255	—	27.5379	27.5379	0.00137	0.00443	28.9164

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.28674	20.6515	19.0056	0.03253	0.84309	—	0.84309	0.77564	—	0.77564	—	3,426.59	3,426.59	0.13900	0.02780	3,438.35
Demolition	—	—	—	—	—	3.69100	3.69100	—	0.55892	0.55892	—	—	—	—	—	—

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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12530	1.13159	1.04140	0.00178	0.04620	—	0.04620	0.04250	—	0.04250	—	187.759	187.759	0.00762	0.00152	188.403
Demolition	—	—	—	—	—	0.20225	0.20225	—	0.03063	0.03063	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02287	0.20652	0.19006	0.00033	0.00843	—	0.00843	0.00776	—	0.00776	—	31.0856	31.0856	0.00126	0.00025	31.1922
Demolition	—	—	—	—	—	0.03691	0.03691	—	0.00559	0.00559	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06754	3.90887	1.50114	0.01998	0.05708	0.80000	0.85708	0.03805	0.21903	0.25708	—	3,035.03	3,035.03	0.15126	0.48801	3,190.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00290	0.00255	0.03165	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.27930	7.27930	0.00038	0.00029	7.38657
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

Hauling	0.00360	0.22117	0.08262	0.00109	0.00313	0.04327	0.04640	0.00209	0.01186	0.01395	—	166.330	166.330	0.00829	0.02674	174.657
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00047	0.00578	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.20517	1.20517	0.00006	0.00005	1.22293
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
Hauling	0.00066	0.04036	0.01508	0.00020	0.00057	0.00790	0.00847	0.00038	0.00216	0.00255	—	27.5379	27.5379	0.00137	0.00443	28.9164

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	19.6570	19.6570	—	10.1024	10.1024	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08613	0.79900	0.78927	0.00134	0.03404	—	0.03404	0.03132	—	0.03132	—	145.149	145.149	0.00589	0.00118	145.647
Dust From Material Movement	—	—	—	—	—	0.53855	0.53855	—	0.27678	0.27678	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01572	0.14582	0.14404	0.00024	0.00621	—	0.00621	0.00572	—	0.00572	—	24.0311	24.0311	0.00097	0.00019	24.1135
Dust From Material Movement	—	—	—	—	—	0.09829	0.09829	—	0.05051	0.05051	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06325	0.04852	0.75654	0.00000	0.00000	0.14800	0.14800	0.00000	0.03469	0.03469	—	162.663	162.663	0.00770	0.00578	165.146
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00169	0.00149	0.01846	0.00000	0.00000	0.00399	0.00399	0.00000	0.00093	0.00093	—	4.24626	4.24626	0.00022	0.00017	4.30883
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00031	0.00027	0.00337	0.00000	0.00000	0.00073	0.00073	0.00000	0.00017	0.00017	—	0.70302	0.70302	0.00004	0.00003	0.71338
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
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

3.4. Site Preparation (2026) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	19.6570	19.6570	—	10.1024	10.1024	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08613	0.79900	0.78927	0.00134	0.03404	—	0.03404	0.03132	—	0.03132	—	145.149	145.149	0.00589	0.00118	145.647
Dust From Material Movement	—	—	—	—	—	0.53855	0.53855	—	0.27678	0.27678	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01572	0.14582	0.14404	0.00024	0.00621	—	0.00621	0.00572	—	0.00572	—	24.0311	24.0311	0.00097	0.00019	24.1135
Dust From Material Movement	—	—	—	—	—	0.09829	0.09829	—	0.05051	0.05051	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06325	0.04852	0.75654	0.00000	0.00000	0.14800	0.14800	0.00000	0.03469	0.03469	—	162.663	162.663	0.00770	0.00578	165.146
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00169	0.00149	0.01846	0.00000	0.00000	0.00399	0.00399	0.00000	0.00093	0.00093	—	4.24626	4.24626	0.00022	0.00017	4.30883
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00031	0.00027	0.00337	0.00000	0.00000	0.00073	0.00073	0.00000	0.00017	0.00017	—	0.70302	0.70302	0.00004	0.00003	0.71338
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
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

3.5. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64586	14.9701	17.4372	0.02732	0.64622	—	0.64622	0.59452	—	0.59452	—	2,959.64	2,959.64	0.12006	0.02401	2,969.79
Dust From Material Movement	—	—	—	—	—	7.09747	7.09747	—	3.42699	3.42699	—	—	—	—	—	—

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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13528	1.23042	1.43320	0.00225	0.05311	—	0.05311	0.04886	—	0.04886	—	243.258	243.258	0.00987	0.00197	244.093
Dust From Material Movement	—	—	—	—	—	0.58335	0.58335	—	0.28167	0.28167	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02469	0.22455	0.26156	0.00041	0.00969	—	0.00969	0.00892	—	0.00892	—	40.2741	40.2741	0.00163	0.00033	40.4123
Dust From Material Movement	—	—	—	—	—	0.10646	0.10646	—	0.05140	0.05140	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06522	3.77450	1.44954	0.01929	0.05512	0.77250	0.82762	0.03674	0.21150	0.24824	—	2,930.70	2,930.70	0.14606	0.47124	3,080.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00435	0.00383	0.04747	0.00000	0.00000	0.01025	0.01025	0.00000	0.00240	0.00240	—	10.9189	10.9189	0.00057	0.00043	11.0799
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
Hauling	0.00521	0.32035	0.11967	0.00159	0.00453	0.06268	0.06721	0.00302	0.01718	0.02020	—	240.919	240.919	0.01200	0.03873	252.979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00079	0.00070	0.00866	0.00000	0.00000	0.00187	0.00187	0.00000	0.00044	0.00044	—	1.80776	1.80776	0.00009	0.00007	1.83440
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
Hauling	0.00095	0.05846	0.02184	0.00029	0.00083	0.01144	0.01227	0.00055	0.00314	0.00369	—	39.8869	39.8869	0.00199	0.00641	41.8836

3.6. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64586	14.9701	17.4372	0.02732	0.64622	—	0.64622	0.59452	—	0.59452	—	2,959.64	2,959.64	0.12006	0.02401	2,969.79
Dust From Material Movement	—	—	—	—	—	7.09747	7.09747	—	3.42699	3.42699	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13528	1.23042	1.43320	0.00225	0.05311	—	0.05311	0.04886	—	0.04886	—	243.258	243.258	0.00987	0.00197	244.093

Dust From Material Movement	—	—	—	—	—	0.58335	0.58335	—	0.28167	0.28167	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02469	0.22455	0.26156	0.00041	0.00969	—	0.00969	0.00892	—	0.00892	—	40.2741	40.2741	0.00163	0.00033	40.4123
Dust From Material Movement	—	—	—	—	—	0.10646	0.10646	—	0.05140	0.05140	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05421	0.04159	0.64846	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	139.425	139.425	0.00660	0.00495	141.554
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
Hauling	0.06522	3.77450	1.44954	0.01929	0.05512	0.77250	0.82762	0.03674	0.21150	0.24824	—	2,930.70	2,930.70	0.14606	0.47124	3,080.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00435	0.00383	0.04747	0.00000	0.00000	0.01025	0.01025	0.00000	0.00240	0.00240	—	10.9189	10.9189	0.00057	0.00043	11.0799
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
Hauling	0.00521	0.32035	0.11967	0.00159	0.00453	0.06268	0.06721	0.00302	0.01718	0.02020	—	240.919	240.919	0.01200	0.03873	252.979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00079	0.00070	0.00866	0.00000	0.00000	0.00187	0.00187	0.00000	0.00044	0.00044	—	1.80776	1.80776	0.00009	0.00007	1.83440
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
Hauling	0.00095	0.05846	0.02184	0.00029	0.00083	0.01144	0.01227	0.00055	0.00314	0.00369	—	39.8869	39.8869	0.00199	0.00641	41.8836

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21169	1.94766	2.56283	0.00462	0.07484	—	0.07484	0.06885	—	0.06885	—	473.819	473.819	0.01922	0.00384	475.445
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03863	0.35545	0.46772	0.00084	0.01366	—	0.01366	0.01257	—	0.01257	—	78.4461	78.4461	0.00318	0.00064	78.7153
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.31748	0.24354	3.79741	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	816.475	816.475	0.03867	0.02899	828.939
Vendor	0.01100	0.41278	0.19418	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	320.373	320.373	0.01223	0.04618	335.220
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31360	0.27447	3.34975	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	771.062	771.062	0.04061	0.03093	781.368
Vendor	0.01043	0.42950	0.19745	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	320.569	320.569	0.01223	0.04618	334.655
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06122	0.05387	0.66855	0.00000	0.00000	0.14436	0.14436	0.00000	0.03380	0.03380	—	153.764	153.764	0.00803	0.00611	156.030
Vendor	0.00212	0.08421	0.03846	0.00043	0.00087	0.01626	0.01713	0.00087	0.00450	0.00537	—	63.3389	63.3389	0.00242	0.00913	66.1861
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01117	0.00983	0.12201	0.00000	0.00000	0.02635	0.02635	0.00000	0.00617	0.00617	—	25.4574	25.4574	0.00133	0.00101	25.8325
Vendor	0.00039	0.01537	0.00702	0.00008	0.00016	0.00297	0.00313	0.00016	0.00082	0.00098	—	10.4865	10.4865	0.00040	0.00151	10.9579
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

3.8. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21169	1.94766	2.56283	0.00462	0.07484	—	0.07484	0.06885	—	0.06885	—	473.819	473.819	0.01922	0.00384	475.445
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03863	0.35545	0.46772	0.00084	0.01366	—	0.01366	0.01257	—	0.01257	—	78.4461	78.4461	0.00318	0.00064	78.7153
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31748	0.24354	3.79741	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	816.475	816.475	0.03867	0.02899	828.939
Vendor	0.01100	0.41278	0.19418	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	320.373	320.373	0.01223	0.04618	335.220
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31360	0.27447	3.34975	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	771.062	771.062	0.04061	0.03093	781.368
Vendor	0.01043	0.42950	0.19745	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	320.569	320.569	0.01223	0.04618	334.655
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06122	0.05387	0.66855	0.00000	0.00000	0.14436	0.14436	0.00000	0.03380	0.03380	—	153.764	153.764	0.00803	0.00611	156.030

Vendor	0.00212	0.08421	0.03846	0.00043	0.00087	0.01626	0.01713	0.00087	0.00450	0.00537	—	63.3389	63.3389	0.00242	0.00913	66.1861
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01117	0.00983	0.12201	0.00000	0.00000	0.02635	0.02635	0.00000	0.00617	0.00617	—	25.4574	25.4574	0.00133	0.00101	25.8325
Vendor	0.00039	0.01537	0.00702	0.00008	0.00016	0.00297	0.00313	0.00016	0.00082	0.00098	—	10.4865	10.4865	0.00040	0.00151	10.9579
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

3.9. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44541	4.06144	5.59547	0.01012	0.14556	—	0.14556	0.13392	—	0.13392	—	1,036.70	1,036.70	0.04205	0.00841	1,040.26
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08129	0.74121	1.02117	0.00185	0.02657	—	0.02657	0.02444	—	0.02444	—	171.638	171.638	0.00696	0.00139	172.227
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30973	0.21649	3.60028	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	802.661	802.661	0.03674	0.02899	814.821
Vendor	0.01100	0.39570	0.18673	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	313.557	313.557	0.01194	0.04398	327.662
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30198	0.27059	3.16226	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	758.061	758.061	0.04061	0.03093	768.359
Vendor	0.01014	0.40994	0.18972	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	313.767	313.767	0.01223	0.04398	327.198
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12977	0.11619	1.38428	0.00000	0.00000	0.31588	0.31588	0.00000	0.07396	0.07396	—	330.783	330.783	0.01673	0.01254	335.424
Vendor	0.00451	0.17592	0.08188	0.00095	0.00190	0.03559	0.03749	0.00190	0.00985	0.01174	—	135.647	135.647	0.00529	0.01902	141.578
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02368	0.02120	0.25263	0.00000	0.00000	0.05765	0.05765	0.00000	0.01350	0.01350	—	54.7649	54.7649	0.00277	0.00208	55.5332
Vendor	0.00082	0.03211	0.01494	0.00017	0.00035	0.00649	0.00684	0.00035	0.00180	0.00214	—	22.4579	22.4579	0.00088	0.00315	23.4399
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

3.10. Building Construction (2027) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44541	4.06144	5.59547	0.01012	0.14556	—	0.14556	0.13392	—	0.13392	—	1,036.70	1,036.70	0.04205	0.00841	1,040.26
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08129	0.74121	1.02117	0.00185	0.02657	—	0.02657	0.02444	—	0.02444	—	171.638	171.638	0.00696	0.00139	172.227
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30973	0.21649	3.60028	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	802.661	802.661	0.03674	0.02899	814.821
Vendor	0.01100	0.39570	0.18673	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	313.557	313.557	0.01194	0.04398	327.662
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.30198	0.27059	3.16226	0.00000	0.00000	0.74289	0.74289	0.00000	0.17413	0.17413	—	758.061	758.061	0.04061	0.03093	768.359
Vendor	0.01014	0.40994	0.18972	0.00219	0.00439	0.08347	0.08786	0.00439	0.02306	0.02745	—	313.767	313.767	0.01223	0.04398	327.198
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12977	0.11619	1.38428	0.00000	0.00000	0.31588	0.31588	0.00000	0.07396	0.07396	—	330.783	330.783	0.01673	0.01254	335.424
Vendor	0.00451	0.17592	0.08188	0.00095	0.00190	0.03559	0.03749	0.00190	0.00985	0.01174	—	135.647	135.647	0.00529	0.01902	141.578
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02368	0.02120	0.25263	0.00000	0.00000	0.05765	0.05765	0.00000	0.01350	0.01350	—	54.7649	54.7649	0.00277	0.00208	55.5332
Vendor	0.00082	0.03211	0.01494	0.00017	0.00035	0.00649	0.00684	0.00035	0.00180	0.00214	—	22.4579	22.4579	0.00088	0.00315	23.4399
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

3.11. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73744	6.94439	9.95313	0.01395	0.29813	—	0.29813	0.27428	—	0.27428	—	1,511.11	1,511.11	0.06130	0.01226	1,516.29
Paving	0.18471	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04041	0.38051	0.54538	0.00076	0.01634	—	0.01634	0.01503	—	0.01503	—	82.8004	82.8004	0.00336	0.00067	83.0845
Paving	0.01012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00737	0.06944	0.09953	0.00014	0.00298	—	0.00298	0.00274	—	0.00274	—	13.7085	13.7085	0.00056	0.00011	13.7556
Paving	0.00185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05289	0.03697	0.61480	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	137.066	137.066	0.00627	0.00495	139.143
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00281	0.00251	0.02995	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.15662	7.15662	0.00036	0.00027	7.25701
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00051	0.00046	0.00547	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.18486	1.18486	0.00006	0.00004	1.20148
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
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

3.12. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73744	6.94439	9.95313	0.01395	0.29813	—	0.29813	0.27428	—	0.27428	—	1,511.11	1,511.11	0.06130	0.01226	1,516.29
Paving	0.18471	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04041	0.38051	0.54538	0.00076	0.01634	—	0.01634	0.01503	—	0.01503	—	82.8004	82.8004	0.00336	0.00067	83.0845
Paving	0.01012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00737	0.06944	0.09953	0.00014	0.00298	—	0.00298	0.00274	—	0.00274	—	13.7085	13.7085	0.00056	0.00011	13.7556
Paving	0.00185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05289	0.03697	0.61480	0.00000	0.00000	0.12686	0.12686	0.00000	0.02974	0.02974	—	137.066	137.066	0.00627	0.00495	139.143

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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00281	0.00251	0.02995	0.00000	0.00000	0.00683	0.00683	0.00000	0.00160	0.00160	—	7.15662	7.15662	0.00036	0.00027	7.25701
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00051	0.00046	0.00547	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.18486	1.18486	0.00006	0.00004	1.20148
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
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

3.13. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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	35.5933	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01553	0.11386	0.15416	0.00024	0.00261	—	0.00261	0.00240	—	0.00240	—	18.2894	18.2894	0.00074	0.00015	18.3522
Architectural Coatings	4.87580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.02078	0.02813	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	3.02802	3.02802	0.00012	0.00002	3.03841
Architectural Coatings	0.88983	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06195	0.04330	0.72006	0.00000	0.00000	0.14858	0.14858	0.00000	0.03483	0.03483	—	160.532	160.532	0.00735	0.00580	162.964
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00822	0.00736	0.08769	0.00000	0.00000	0.02001	0.02001	0.00000	0.00469	0.00469	—	20.9546	20.9546	0.00106	0.00079	21.2486
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00150	0.00134	0.01600	0.00000	0.00000	0.00365	0.00365	0.00000	0.00086	0.00086	—	3.46927	3.46927	0.00018	0.00013	3.51794

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
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

3.14. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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	35.5933	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01553	0.11386	0.15416	0.00024	0.00261	—	0.00261	0.00240	—	0.00240	—	18.2894	18.2894	0.00074	0.00015	18.3522
Architectural Coatings	4.87580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.02078	0.02813	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	3.02802	3.02802	0.00012	0.00002	3.03841

Architectural Coatings	0.88983	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06195	0.04330	0.72006	0.00000	0.00000	0.14858	0.14858	0.00000	0.03483	0.03483	—	160.532	160.532	0.00735	0.00580	162.964
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
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00822	0.00736	0.08769	0.00000	0.00000	0.02001	0.02001	0.00000	0.00469	0.00469	—	20.9546	20.9546	0.00106	0.00079	21.2486
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
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00150	0.00134	0.01600	0.00000	0.00000	0.00365	0.00365	0.00000	0.00086	0.00086	—	3.46927	3.46927	0.00018	0.00013	3.51794
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
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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06
Parking Lot	0.00000	0.00000	0.00000	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	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Parking Lot	0.00000	0.00000	0.00000	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	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818
Parking Lot	0.00000	0.00000	0.00000	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	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06

Parking Lot	0.00000	0.00000	0.00000	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	2.64645	1.67365	18.0969	0.04460	0.03238	4.02581	4.05819	0.03026	1.02109	1.05135	—	4,543.39	4,543.39	0.21237	0.17423	4,613.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Parking Lot	0.00000	0.00000	0.00000	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	2.59562	1.83790	17.1785	0.04262	0.03240	4.02581	4.05821	0.03028	1.02109	1.05137	—	4,342.67	4,342.67	0.22632	0.18471	4,403.69
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818
Parking Lot	0.00000	0.00000	0.00000	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	0.46761	0.33080	3.12652	0.00783	0.00591	0.72234	0.72825	0.00552	0.18326	0.18878	—	723.993	723.993	0.03679	0.03026	734.818

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	62.2467	62.2467	0.04555	0.00552	65.0306
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	6.64791	6.64791	0.00486	0.00059	6.94523
Total	—	—	—	—	—	—	—	—	—	—	—	68.8946	68.8946	0.05041	0.00611	71.9758

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	62.2467	62.2467	0.04555	0.00552	65.0306
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	6.64791	6.64791	0.00486	0.00059	6.94523
Total	—	—	—	—	—	—	—	—	—	—	—	68.8946	68.8946	0.05041	0.00611	71.9758
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	10.3056	10.3056	0.00754	0.00091	10.7666
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.10064	1.10064	0.00081	0.00010	1.14986
Total	—	—	—	—	—	—	—	—	—	—	—	11.4063	11.4063	0.00835	0.00101	11.9164

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	62.4742	62.4742	0.04571	0.00554	65.2683
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	6.64791	6.64791	0.00486	0.00059	6.94523
Total	—	—	—	—	—	—	—	—	—	—	—	69.1221	69.1221	0.05058	0.00613	72.2135
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	62.4742	62.4742	0.04571	0.00554	65.2683
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	6.64791	6.64791	0.00486	0.00059	6.94523

Total	—	—	—	—	—	—	—	—	—	—	—	69.1221	69.1221	0.05058	0.00613	72.2135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	10.3433	10.3433	0.00757	0.00092	10.8059
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.10064	1.10064	0.00081	0.00010	1.14986
Total	—	—	—	—	—	—	—	—	—	—	—	11.4440	11.4440	0.00837	0.00102	11.9558

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	804.065	804.065	0.07116	0.00151	806.295
Parking Lot	0.00000	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	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	804.065	804.065	0.07116	0.00151	806.295
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	804.065	804.065	0.07116	0.00151	806.295
Parking Lot	0.00000	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	0.03706	0.63346	0.26956	0.00404	0.05122	—	0.05122	0.05122	—	0.05122	—	804.065	804.065	0.07116	0.00151	806.295
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00676	0.11561	0.04919	0.00074	0.00935	—	0.00935	0.00935	—	0.00935	—	133.122	133.122	0.01178	0.00025	133.491
Parking Lot	0.00000	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	0.00676	0.11561	0.04919	0.00074	0.00935	—	0.00935	0.00935	—	0.00935	—	133.122	133.122	0.01178	0.00025	133.491

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	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	0.00000	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	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	0.00000	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	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	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

4.3. 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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Consumer Products	6.03118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48758	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.60325	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	—	18.5059	18.5059	0.00077	0.00015	18.5710
Total	7.12201	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	0.00000	18.5059	18.5059	0.00077	0.00015	18.5710
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
Consumer Products	6.03118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48758	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.51876	0.00000	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
Consumer Products	1.10069	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	0.05429	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	—	1.51095	1.51095	0.00006	0.00001	1.51626
Total	1.24397	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	0.00000	1.51095	1.51095	0.00006	0.00001	1.51626

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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
Consumer Products	6.03118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48758	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.60325	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	—	18.5059	18.5059	0.00077	0.00015	18.5710
Total	7.12201	0.06554	6.93365	0.00030	0.00324	—	0.00324	0.00244	—	0.00244	0.00000	18.5059	18.5059	0.00077	0.00015	18.5710
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
Consumer Products	6.03118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48758	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.51876	0.00000	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
Consumer Products	1.10069	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05429	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	—	1.51095	1.51095	0.00006	0.00001	1.51626
Total	1.24397	0.00590	0.62403	0.00003	0.00029	—	0.00029	0.00022	—	0.00022	0.00000	1.51095	1.51095	0.00006	0.00001	1.51626

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.21344	3.60519	11.8186	0.84483	0.02033	38.9978
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.21344	3.60519	11.8186	0.84483	0.02033	38.9978
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005

Total	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.21344	3.60519	11.8186	0.84483	0.02033	38.9978
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.21344	3.60519	11.8186	0.84483	0.02033	38.9978
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	8.21344	3.60520	11.8186	0.84483	0.02033	38.9978
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Total	—	—	—	—	—	—	—	—	—	—	1.35983	0.59688	1.95671	0.13987	0.00337	6.45653

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316

4.5.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	48.5661	0.00000	48.5661	4.85401	0.00000	169.916
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	8.04067	0.00000	8.04067	0.80364	0.00000	28.1316

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.01686
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33391

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	6/1/2026	6/26/2026	5.00000	20.0000	—
Site Preparation	Site Preparation	6/27/2026	7/10/2026	5.00000	10.00000	—
Grading	Grading	7/11/2026	8/21/2026	5.00000	30.0000	—
Building Construction	Building Construction	9/22/2026	8/9/2027	5.00000	230.000	—
Paving	Paving	7/13/2027	8/9/2027	5.00000	20.0000	—
Architectural Coating	Architectural Coating	6/1/2027	8/9/2027	5.00000	50.0000	—

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/Backhoes	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/Backhoes	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/Backhoes	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

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	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/Backhoes	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/Backhoes	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/Backhoes	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	11.9700	LDA,LDT1,LDT2
Demolition	Vendor	—	7.63000	HHDT,MHDT
Demolition	Hauling	43.1500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	11.9700	LDA,LDT1,LDT2
Site Preparation	Vendor	—	7.63000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.9700	LDA,LDT1,LDT2

Grading	Vendor	—	7.63000	HHDT,MHDT
Grading	Hauling	41.6667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	87.8401	11.9700	LDA,LDT1,LDT2
Building Construction	Vendor	13.0418	7.63000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Paving	Vendor	—	7.63000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	17.5680	11.9700	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Demolition	Vendor	—	7.63000	HHDT,MHDT
Demolition	Hauling	43.1500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	11.9700	LDA,LDT1,LDT2
Site Preparation	Vendor	—	7.63000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Grading	Vendor	—	7.63000	HHDT,MHDT

Grading	Hauling	41.6667	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	87.8401	11.9700	LDA,LDT1,LDT2
Building Construction	Vendor	13.0418	7.63000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	11.9700	LDA,LDT1,LDT2
Paving	Vendor	—	7.63000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	17.5680	11.9700	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.63000	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

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	570,250	190,083	0.00000	0.00000	3,685.18

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	75,000.0	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000
Grading	10,000.00	—	30.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	1.41000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Condo/Townhouse	—	0%
Paving	Parking Lot	1.41000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	588.983	0.03300	0.00400
2027	0.00000	588.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	732.000	732.000	732.000	267,180	5,700.17	5,700.17	5,700.17	2,080,563
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	732.000	732.000	732.000	267,180	5,700.17	5,700.17	5,700.17	2,080,563
Parking Lot	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)
Condo/Townhouse	Wood Fireplaces	0	0
Condo/Townhouse	Gas Fireplaces	0	0
Condo/Townhouse	Propane Fireplaces	0	0
Condo/Townhouse	Electric Fireplaces	0	0
Condo/Townhouse	No Fireplaces	122	122
Condo/Townhouse	Conventional Wood Stoves	0	0
Condo/Townhouse	Catalytic Wood Stoves	0	0
Condo/Townhouse	Non-Catalytic Wood Stoves	0	0
Condo/Townhouse	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	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)
570,250	190,083	0.00000	0.00000	3,685.18

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Condo/Townhouse	503,781	45.0990	0.0330	0.0040	2,508,897
Parking Lot	53,803.6	45.0990	0.0330	0.0040	0.00000

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	505,623	45.0990	0.0330	0.0040	0.00000

Parking Lot	53,803.6	45.0990	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	4,286,235	27.3976
Parking Lot	0.00000	0.74721

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	4,286,235	27.3976
Parking Lot	0.00000	0.74721

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	90.1143	0.00000
Parking Lot	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	90.1143	0.00000
Parking Lot	0.00000	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
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	16.8400	annual days of extreme heat
Extreme Precipitation	4.15000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.1500	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	56.9633

AQ-PM	31.8979
AQ-DPM	33.8270
Drinking Water	28.9871
Lead Risk Housing	15.2111
Pesticides	0.00000
Toxic Releases	9.32733
Traffic	45.0625
Effect Indicators	—
CleanUp Sites	9.59313
Groundwater	14.3118
Haz Waste Facilities/Generators	28.2991
Impaired Water Bodies	72.1546
Solid Waste	0.00000
Sensitive Population	—
Asthma	7.40279
Cardio-vascular	14.5189
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	13.1106
Housing	74.0431
Linguistic	18.1080
Poverty	31.2563
Unemployment	1.54867

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	62.06852303
Employed	44.42448351
Median HI	25.45874503
Education	—
Bachelor's or higher	75.55498524
High school enrollment	100
Preschool enrollment	67.15000642
Transportation	—
Auto Access	10.03464648
Active commuting	51.39227512
Social	—
2-parent households	63.04375722
Voting	99.85884768
Neighborhood	—
Alcohol availability	48.18426793
Park access	2.194276915
Retail density	89.14410368
Supermarket access	66.52123701
Tree canopy	19.8639805
Housing	—
Homeownership	52.99627871
Housing habitability	13.93558322
Low-inc homeowner severe housing cost burden	10.20146285
Low-inc renter severe housing cost burden	5.389452072
Uncrowded housing	96.93314513
Health Outcomes	—
Insured adults	83.98562813
Arthritis	0.3

Asthma ER Admissions	93.3
High Blood Pressure	0.3
Cancer (excluding skin)	0.2
Asthma	94.4
Coronary Heart Disease	0.4
Chronic Obstructive Pulmonary Disease	3.9
Diagnosed Diabetes	5.2
Life Expectancy at Birth	28.3
Cognitively Disabled	9.6
Physically Disabled	0.3
Heart Attack ER Admissions	75.2
Mental Health Not Good	99.2
Chronic Kidney Disease	0.3
Obesity	92.5
Pedestrian Injuries	72.3
Physical Health Not Good	43.5
Stroke	1.0
Health Risk Behaviors	—
Binge Drinking	99.7
Current Smoker	99.8
No Leisure Time for Physical Activity	48.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	99.4
Elderly	0.2
English Speaking	56.9
Foreign-born	19.3

Outdoor Workers	87.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	31.8
Traffic Density	78.1
Traffic Access	23.0
Other Indices	—
Hardship	37.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	6.00000
Healthy Places Index Score for Project Location (b)	55.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Updated per Site Plan
Construction: Construction Phases	Worst-Case (Fastest) construction build
Operations: Vehicle Data	Updated per TS
Operations: Hearths	No Hearth Options will be Provided

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	7.62500	4.09000
Building Area	sq. ft	129,320	281,605
Landscape Area	sq. ft	—	1.50000
Building Area	sq. ft	0.00000	0.25000
Landscape Area	sq. ft	—	0.05000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	Start Date	1/1/2026	6/1/2026
Demolition	Demolition	End Date	1/29/2026	6/26/2026
Site Preparation	Site Preparation	Start Date	1/30/2026	6/27/2026
Site Preparation	Site Preparation	End Date	2/13/2026	7/10/2026
Grading	Grading	Start Date	2/14/2026	7/11/2026
Grading	Grading	End Date	3/14/2026	8/21/2026
Grading	Grading	Work Days per Phase	20.0000	30.0000
Building Construction	Building Construction	Start Date	3/15/2026	9/22/2026

Building Construction	Building Construction	End Date	1/31/2027	8/9/2027
Paving	Paving	Start Date	2/1/2027	7/13/2027
Paving	Paving	End Date	3/1/2027	8/9/2027
Architectural Coating	Architectural Coating	Start Date	3/2/2027	6/1/2027
Architectural Coating	Architectural Coating	End Date	3/30/2027	8/9/2027
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	50.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Condo/Townhouse	Weekday Trip Rate	size/day	7.32000	6.00000
Condo/Townhouse	Saturday Trip Rate	size/day	8.14000	6.00000
Condo/Townhouse	Sunday Trip Rate	size/day	6.28000	6.00000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Condo/Townhouse	Wood Fireplaces	43	0
Condo/Townhouse	Gas Fireplaces	67	0
Condo/Townhouse	No Fireplaces	12	122
Condo/Townhouse	Catalytic Wood Stoves	6	0
Condo/Townhouse	Non-Catalytic Wood Stoves	6	0

ATTACHMENT C

CalEEMod Emission Model – GP Buildout Scenario (75,000 SF Existing Development)

City View (Existing Approved Project 75KSF Office) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	City View (Existing Approved Project 75KSF Office)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	26.2
Location	33.02217977774009, -117.07656388797622
County	San Diego
City	San Diego
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6124
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	75.0	1000sqft	3.50	75,000	2.00	—	—	—
Parking Lot	2.00	Acre	2.00	0.00	0.50	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.81	3.85	37.7	0.09	0.12	7.47	7.58	0.11	1.89	2.01	63.1	11,625	11,688	6.96	0.40	12,007
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	4.13	32.4	0.08	0.11	7.47	7.58	0.11	1.89	2.00	63.1	11,230	11,294	6.98	0.42	11,593
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.40	4.10	34.0	0.08	0.11	7.34	7.46	0.11	1.86	1.97	63.1	11,295	11,358	6.97	0.41	11,667
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.17	0.75	6.21	0.02	0.02	1.34	1.36	0.02	0.34	0.36	10.5	1,870	1,880	1.15	0.07	1,932

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.53	3.18	33.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,563	8,563	0.38	0.32	8,694

Area	2.25	0.03	3.26	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.5
Energy	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,901	2,901	0.19	0.02	2,911
Water	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Waste	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Total	6.81	3.85	37.7	0.09	0.12	7.47	7.58	0.11	1.89	2.01	63.1	11,625	11,688	6.96	0.40	12,007
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.44	3.49	31.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,183	8,183	0.41	0.34	8,294
Area	1.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,901	2,901	0.19	0.02	2,911
Water	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Waste	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Total	6.19	4.13	32.4	0.08	0.11	7.47	7.58	0.11	1.89	2.00	63.1	11,230	11,294	6.98	0.42	11,593
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.39	3.44	31.9	0.08	0.06	7.34	7.40	0.06	1.86	1.92	—	8,240	8,240	0.40	0.33	8,361
Area	1.98	0.01	1.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.61	6.61	< 0.005	< 0.005	6.64
Energy	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,901	2,901	0.19	0.02	2,911
Water	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Waste	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Total	6.40	4.10	34.0	0.08	0.11	7.34	7.46	0.11	1.86	1.97	63.1	11,295	11,358	6.97	0.41	11,667
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.80	0.63	5.81	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,364	1,364	0.07	0.06	1,384
Area	0.36	< 0.005	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	1.10
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	480	480	0.03	< 0.005	482

Water	—	—	—	—	—	—	—	—	—	—	4.23	24.2	28.5	0.43	0.01	42.5
Waste	—	—	—	—	—	—	—	—	—	—	6.22	0.00	6.22	0.62	0.00	21.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03
Total	1.17	0.75	6.21	0.02	0.02	1.34	1.36	0.02	0.34	0.36	10.5	1,870	1,880	1.15	0.07	1,932

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	4.53	3.18	33.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,563	8,563	0.38	0.32	8,694
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	4.53	3.18	33.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,563	8,563	0.38	0.32	8,694
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	4.44	3.49	31.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,183	8,183	0.41	0.34	8,294
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	4.44	3.49	31.9	0.08	0.06	7.47	7.53	0.06	1.89	1.95	—	8,183	8,183	0.41	0.34	8,294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.80	0.63	5.81	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,364	1,364	0.07	0.06	1,384
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.80	0.63	5.81	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,364	1,364	0.07	0.06	1,384

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,008	2,008	0.11	0.01	2,015
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	123	123	0.01	< 0.005	124
Total	—	—	—	—	—	—	—	—	—	—	—	2,131	2,131	0.12	0.01	2,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,008	2,008	0.11	0.01	2,015
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	123	123	0.01	< 0.005	124
Total	—	—	—	—	—	—	—	—	—	—	—	2,131	2,131	0.12	0.01	2,139
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	333	333	0.02	< 0.005	334

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	20.4	20.4	< 0.005	< 0.005	20.5
Total	—	—	—	—	—	—	—	—	—	—	—	353	353	0.02	< 0.005	354

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	770	770	0.07	< 0.005	772
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	770	770	0.07	< 0.005	772
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	770	770	0.07	< 0.005	772
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.04	0.65	0.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	770	770	0.07	< 0.005	772
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	127	127	0.01	< 0.005	128
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	127	127	0.01	< 0.005	128

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.54	0.03	3.26	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.5
Total	2.25	0.03	3.26	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	< 0.005	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	1.10
Total	0.36	< 0.005	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	1.10

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	25.5	146	172	2.63	0.06	256
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	4.23	24.2	28.5	0.43	0.01	42.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	4.23	24.2	28.5	0.43	0.01	42.5

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	6.22	0.00	6.22	0.62	0.00	21.8

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.22	0.00	6.22	0.62	0.00	21.8

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03

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)

Equipme Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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)

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	1,155	1,155	1,155	421,575	10,570	10,570	10,570	3,858,178
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	112,500	37,500	5,227

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,244,593	589	0.0330	0.0040	2,401,727
Parking Lot	76,317	589	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	13,330,031	29.9
Parking Lot	0.00	7.47

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	69.8	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. 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	16.8	annual days of extreme heat
Extreme Precipitation	4.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.2	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	57.0
AQ-PM	31.9
AQ-DPM	33.8
Drinking Water	29.0
Lead Risk Housing	15.2
Pesticides	0.00
Toxic Releases	9.33

Traffic	45.1
Effect Indicators	—
CleanUp Sites	9.59
Groundwater	14.3
Haz Waste Facilities/Generators	28.3
Impaired Water Bodies	72.2
Solid Waste	0.00
Sensitive Population	—
Asthma	7.40
Cardio-vascular	14.5
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	13.1
Housing	74.0
Linguistic	18.1
Poverty	31.3
Unemployment	1.55

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	62.06852303
Employed	44.42448351
Median HI	25.45874503
Education	—
Bachelor's or higher	75.55498524
High school enrollment	100

Preschool enrollment	67.15000642
Transportation	—
Auto Access	10.03464648
Active commuting	51.39227512
Social	—
2-parent households	63.04375722
Voting	99.85884768
Neighborhood	—
Alcohol availability	48.18426793
Park access	2.194276915
Retail density	89.14410368
Supermarket access	66.52123701
Tree canopy	19.8639805
Housing	—
Homeownership	52.99627871
Housing habitability	13.93558322
Low-inc homeowner severe housing cost burden	10.20146285
Low-inc renter severe housing cost burden	5.389452072
Uncrowded housing	96.93314513
Health Outcomes	—
Insured adults	83.98562813
Arthritis	0.3
Asthma ER Admissions	93.3
High Blood Pressure	0.3
Cancer (excluding skin)	0.2
Asthma	94.4
Coronary Heart Disease	0.4
Chronic Obstructive Pulmonary Disease	3.9

Diagnosed Diabetes	5.2
Life Expectancy at Birth	28.3
Cognitively Disabled	9.6
Physically Disabled	0.3
Heart Attack ER Admissions	75.2
Mental Health Not Good	99.2
Chronic Kidney Disease	0.3
Obesity	92.5
Pedestrian Injuries	72.3
Physical Health Not Good	43.5
Stroke	1.0
Health Risk Behaviors	—
Binge Drinking	99.7
Current Smoker	99.8
No Leisure Time for Physical Activity	48.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	99.4
Elderly	0.2
English Speaking	56.9
Foreign-born	19.3
Outdoor Workers	87.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	31.8
Traffic Density	78.1
Traffic Access	23.0
Other Indices	—

Hardship	37.8
Other Decision Support	—
2016 Voting	98.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	6.00
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Updated per Existing Site Review
Operations: Vehicle Data	Updated per City of San Diego Table Trip Generation Model (See Table 6 - 75,000 SF is 1,155 Trips (15.4 Trips per KSF for 75,000 SF)