AIR QUALITY ASSESSMENT

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

Prepared By:

Ldn Consulting, Inc.

23811 Washington Ave, C110-333
Murrieta, CA 92562
760-473-1253

Prepared For:

KB Home Coastal
9915 Mira Mesa Boulevard, Suite 100
San Diego, CA 92131

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TABLE OF CONTENTS

List of Figures

List of Tables

Appendix

LIST OF COMMON ACRONYMS

Air Quality Impact Assessments (AQIA)

Assembly Bill 32 (AB32)

California Air Resource Board (CARB)

California Ambient Air Quality Standards (CAAQS)

California Environmental Quality Act (CEQA)

Carbon Dioxide (CO_2)

Cubic Yards (CY)

Diesel Particulate Matter (DPM)

Environmental Protection Agency (EPA)

EPA Office of Air Quality Planning and Standards (OAQPS)

Hazardous Air Pollutants (HAPs)

Hydrogen Sulfide (H_2S)

International Residential Code (IRC)

Level of Service (LOS)

Low Carbon Fuel Standard (LCFS)

Methane (CH_4)

National Ambient Air Quality Standards (NAAQS)

Nitrous Oxide (N_2O)

North County Transit District (NCTD)

Reactive Organic Gas (ROG)

Regional Air Quality Strategy (RAQS)

San Diego Air Basin (SDAB)

San Diego Air Pollution Control District (SDAPCD)

South Coast Air Quality Management District (SCAQMD)

Specific Plan Area (SPA)

State Implementation Plan (SIP)

Toxic Air Contaminants (TACs)

Vehicle Miles Traveled (VMT)

1.0 INTRODUCTION

1.1 Purpose of this Study

The purpose of this Air Quality analysis is to determine potential air quality impacts (if any) that may be created by construction, area or operational emissions (short term or long term) from the proposed Project. Should impacts from the proposed Project be determined, the intent of this study would be to recommend suitable mitigation measures to bring those impacts to a level that would be considered less than significant.

1.2 Project Location

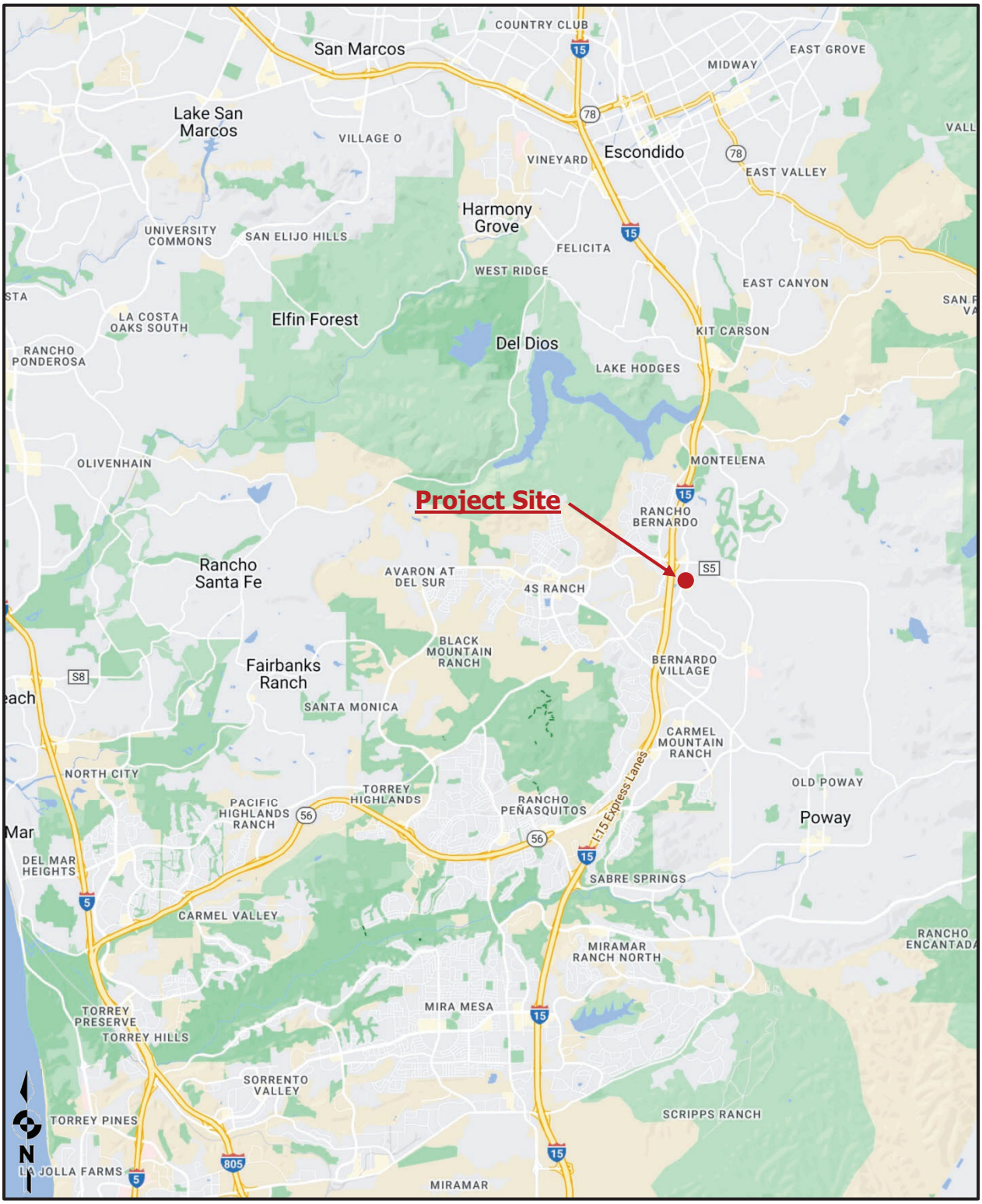
The proposed Development is located on a 5.5-acre site (APN 274-781-14-00) within the Rancho Bernardo Community Planning area in the City of San Diego CA. The site is located adjacent to Interstate 15 to the east, west of Bernardo Center Drive, and north along Bernardo Plaza Court in the Rancho Bernardo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

1.3 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 as early as mid 2026 and be completed in the third quarter of 2027.

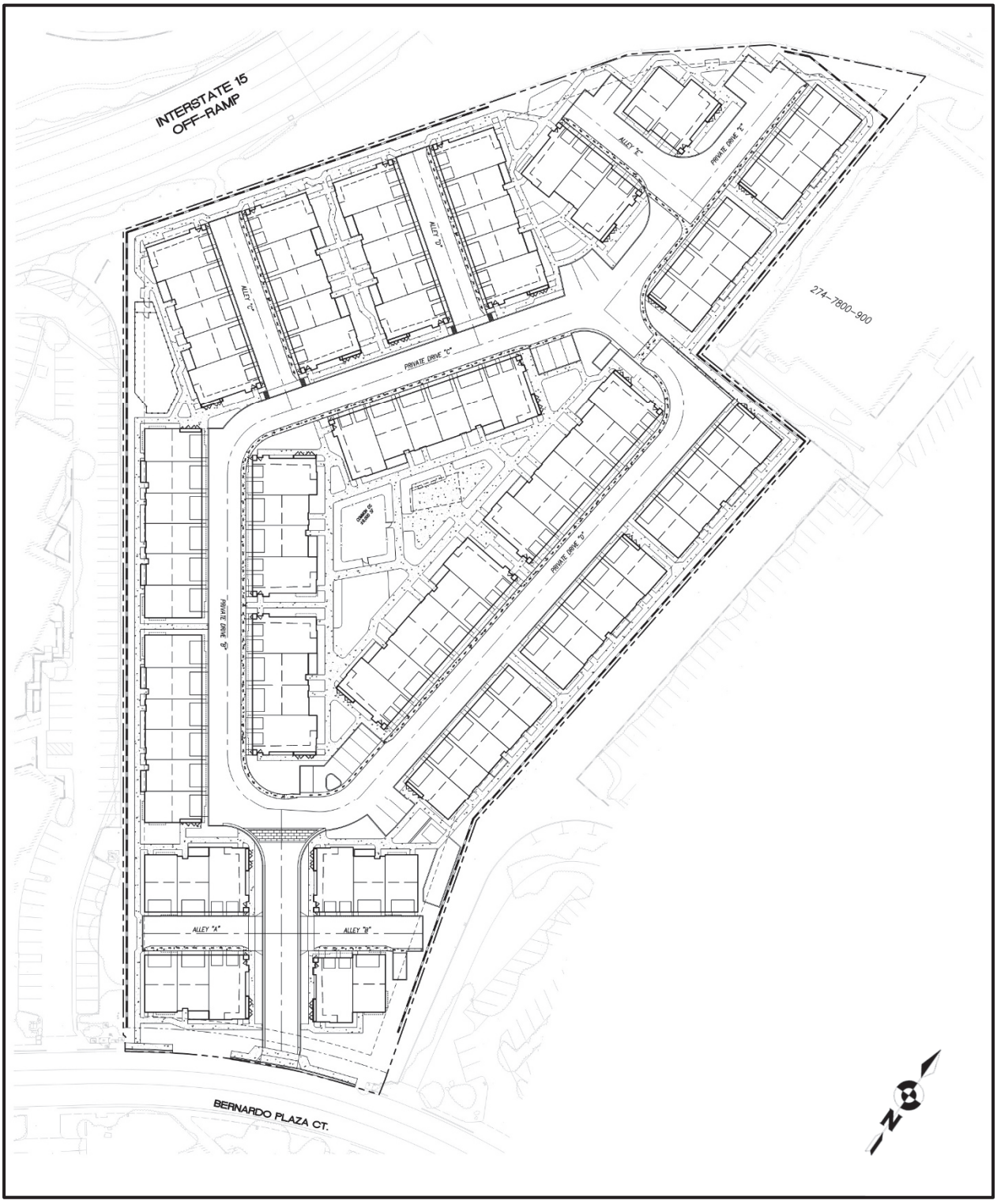
The proposed CPA Buildout and Project would demolish all existing structures within the existing development and then construct the homes. It is expected that the earthwork for both scenarios would be balanced, however since grading plans have not been finalized, it was assumed that as much as 10,000 CY of import/export would be necessary for this site. The Project site plan is shown in Figure 1-B.

Figure 1-A: Project Vicinity Map



Source: (Google, 2023)

Figure 1-B: Proposed Project Site Layout



Source (Latitude 33, 2025):

2.0 EXISTING ENVIRONMENTAL SETTING

2.1 Existing Setting

The existing zoning onsite is designated as Special Commercial and consists of multiple office structures with a total estimated size of 75,000 SF. The site is bound to the east and west by commercial businesses, to the north by an off-ramp from I-15 Northbound, and to the south by Bernardo Plaza Court. Overall site topography slopes gently to the northeast, with elevations ranging from approximately 504 to 545 feet above mean sea level. Descending slopes are present along portions of the easterly and northerly property lines, approximately 8 to 14 feet in height. Prior to site grading and redevelopment, the existing structures, pavements, and utilities to be abandoned will be demolished.

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).

2.3 Regulatory Standards

Regulatory Standards, which are made up of federal, state and local air quality standards, are set with the intention to reduce human health impacts from exposure to pollutants. Based on these air quality standards, regional and local impact determinations under the California

Environmental Quality Act (CEQA) would also be assumed to reduce potential health impacts because they are tied to the higher regulations.

2.3.1 Federal Standards and Definitions

The Federal Air Quality Standards were developed per the requirements of The Federal Clean Air Act, which is a federal law that was passed in 1970 and further amended in 1990. This law provides the basis for the national air pollution control effort. An important element of the act included the development of National Ambient Air Quality Standards (NAAQS) for major air pollutants.

The Clean Air Act established two types of air quality standards otherwise known as primary and secondary standards. ***Primary Standards*** set limits to protect public health which includes sensitive populations such as asthmatics, children and elderly. ***Secondary Standards*** set limits to protect public welfare and include protection against decreased visibility, damage to animals, crops, vegetation and buildings.

The Environmental Protection Agency's EPA Office of Air Quality Planning and Standards (OAQPS) has set NAAQS for principal pollutants, which are called "criteria" pollutants. These pollutants are defined below (EPA, 2022):

1. ***Carbon Monoxide (CO):*** *is a colorless, odorless, and tasteless gas and is produced from the partial combustion of carbon-containing compounds, notably in internal-combustion engines. Carbon monoxide usually forms when there is a reduced availability of oxygen present during the combustion process. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. CO interferes with the blood's ability to carry oxygen* (EPA, 2022).
2. ***Lead (Pb):*** *is a potent neurotoxin that accumulates in soft tissues and bone over time. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Because lead is only slowly excreted, exposures to small amounts of lead from a variety of sources can accumulate to harmful levels. Effects from inhalation of lead near the level of the ambient air quality standard include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, immune, and blood-forming systems. Symptoms can include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children* (EPA, 2022).
3. ***Nitrogen Dioxide (NO_2):*** *is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract and is one of the nitrogen oxides emitted from high-temperature combustion, such as those occurring in trucks, cars, power plants, home heaters, and gas stoves. In the presence of other air contaminants, NO_2 is usually visible as a reddish-brown*

air layer over urban areas. NO_2 along with other traffic-related pollutants is associated with respiratory symptoms, respiratory illness and respiratory impairment. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to NO_2 above the level of the current state air quality standard. Clinical studies of human subjects suggest that NO_2 exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children (EPA, 2022).

4. ***Particulate Matter (PM_{10} or $PM_{2.5}$):*** *is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary in shape, size and chemical composition, and can be made up of multiple materials such as metal, soot, soil, and dust. PM_{10} particles are 10 microns (µm) or less and $PM_{2.5}$ particles are 2.5 (µm) or less. These particles can contribute significantly to regional haze and reduction of visibility in California. Exposure to PM levels exceeding current air quality standards increases the risk of allergies such as asthma and respiratory illness* (EPA, 2022).
5. ***Ozone (O_3)****: Ozone at the ground level is a highly oxidative unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Exposure to ozone above ambient air quality standards can lead to human health effects such as lung inflammation, tissue damage and impaired lung functioning. Ozone can also damage materials such as rubber, fabrics and plastics* (EPA, 2022).

   It should be noted that Oxides of Nitrogen (NO_x) is a family of poisonous, highly reactive gases. These gases form when fuel is burned at high temperatures. NO_x pollution is emitted by automobiles, trucks and various non-road vehicles (e.g., construction equipment, boats, etc.) as well as industrial sources such as power plants, industrial boilers, cement kilns, and turbines. NO_x often appears as a brownish gas. It is a strong oxidizing agent and plays a major role in the atmospheric reactions with Volatile Organic Compounds (VOCs) which produces ozone on hot summer days (EPA, 2023).
6. ***Sulfur Dioxide (SO_2)****: is a gaseous compound of sulfur and oxygen and is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment. SO_2 is also emitted from several industrial processes, such as petroleum refining and metal processing. Effects from SO_2 exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms, which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of SO_2 results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality* (EPA, 2022).

2.3.2 State Standards and Definitions

The State of California Air Resources Board (ARB) sets the laws and regulations for air quality at State level. The California Ambient Air Quality Standards (CAAQS) are either the same as or more restrictive than the NAAQS in that the State standards also restrict four additional contaminants. Table 2.1 on the following page identifies both the NAAQS and CAAQS. The additional contaminants as regulated by the CAAQS are defined below:

1. ***Visibility Reducing Particles****: Particles in the Air that obstruct the visibility* (CARB, 2023).
2. ***Sulfates****: are salts of Sulfuric Acid. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain* (CARB, 2023).
3. ***Hydrogen Sulfide (H_2S)****: is a colorless, toxic and flammable gas with a recognizable smell of rotten eggs or flatulence. H_2S occurs naturally in crude petroleum, natural gas, volcanic gases, and hot springs. Usually, H_2S is formed from bacterial breakdown of organic matter. Exposure to low concentrations of hydrogen sulfide may cause irritation to the eyes, nose, or throat. It may also cause difficulty in breathing for some asthmatics. Brief exposures to high concentrations of hydrogen sulfide (greater than 500 ppm) can cause a loss of consciousness and possibly death* (CARB, 2023).
4. ***Vinyl Chloride****: also known as chloroethene and is a toxic, carcinogenic, colorless gas with a sweet odor. It is an industrial chemical mainly used to produce its polymer, polyvinyl chloride (PVC)* (CARB, 2023).

Table 2.1: Ambient Air Quality Standards

Ambient Air Quality Standards						
Pollutant	**Average Time**	**California Standards[1]**		**Federal Standards[2]**		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m3)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m3)		0.070 ppm (137 µg/m3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m3	Gravimetric or Beta Attenuation	150 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m3		-		
Fine Particulate Matter (PM2.5)[9]	24 Hour	No Separate State Standard		35 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m3	Gravimetric or Beta Attenuation	9.0 µg/m3	15 µg/m3	
Carbon Monoxide (CO)	8 hour	9.0 ppm (10mg/m3)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m3)	-	Non-Dispersive Infrared Photometry
	1 hour	20 ppm (23 mg/m3)		35 ppm (40 mg/m3)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m3)		-	-	-
Nitrogen Dioxide (NO_2)[10]	Annual Arithmetic Mean	0.030 ppm (57 µg/m3)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m3)[8]	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.18 ppm (339 µg/m3)		0.100 ppm[8] (188/ µg/m3)	-	
Sulfur Dioxide (SO_2)[11]	Annual Arithmetic Mean	-	Ultraviolet Fluorescence	0.030 ppm[10] (for Certain Areas)	-	Ultraviolet Flourescence; Spectrophotometry (Pararoosaniline Method)[9]
	24 Hour	0.04 ppm (105 µg/m3)		0.14 ppm[10] (for Certain Areas) (See Footnote 9)	-	
	3 Hour	-		-	0.5 ppm (1300 µg/m3)	
	1 Hour	0.25 ppm (655 µg/m3)		75 ppb (196 µg/m3)	-	
Lead[12,13]	30 Day Average	1.5 µg/m3	Atomic Absorption	-		-
	Calendar Quarter	-		1.5 µg/m3	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	-		0.15 µg/m3		
Visibility Reducing Particles	8 Hour	See footnote 14				
Sulfates	24 Hour	25 µg/m3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m3)	Gas Chromatography			

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility-reducing particles) are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air-quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once per year. The ozone standard is attained when the fourth-highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for current national policies.
3. Concentrations are expressed first in the units in which they were promulgated. Equivalent units in parentheses are based on a reference temperature of 25 °C and a reference pressure of 760 torr. Most measurements of air quality are corrected to these reference conditions; ppm refers to parts per million by volume (micromoles of pollutant per mole of gas).
4. Any equivalent measurement method that can be shown to the satisfaction of the California Air Resources Board (ARB) to give equivalent results at or near the level of the air-quality standard may be used.
5. National Primary Standards: Levels of air quality necessary, with an adequate margin of safety, to protect public health.
6. National Secondary Standards: Levels of air quality necessary to protect public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a consistent relationship to the reference method and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On February 7, 2024, the national annual $PM_{2.5}$ primary standard was lowered from 12.0 µg/m³ to 9.0 µg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) remain at 35 µg/m³, as does the annual secondary standard of 15.0 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ also remain in effect. The form of the annual primary and secondary standards is the annual mean, averaged over three years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb); California standards are in parts per million (ppm). To directly compare, 100 ppb = 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in nonattainment areas they remain until implementation plans to attain or maintain the 2010 standards are approved. To directly compare units, 75 ppb = 0.075 ppm.
12. The California Air Resources Board has identified lead and vinyl chloride as toxic air contaminants with no threshold level of exposure for adverse health effects determined. These actions allow for implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standards are approved.
14. In 1989, the California Air Resources Board converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents: an extinction of 0.23 per kilometer and 0.07 per kilometer for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: (California Air Resources Board, 7/16/2024)

2.3.3 Regional Standards

The State of California has 35 specific air districts, which are each responsible for ensuring that the criteria pollutants are below the NAAQS and CAAQS. Air basins that exceed either the NAAQS or the CAAQS for any criteria pollutants are designated as "non-attainment areas" for that pollutant. Currently, there are 15 non-attainment areas for the federal ozone standard and two non-attainment areas for the $PM_{2.5}$ standard and many areas are in non-attainment for PM_{10} as well. California therefore created the California State Implementation Plan (SIP), which is designed to provide control measures needed to attain ambient air quality standards.

The San Diego Air Pollution Control District (SDAPCD) is the government agency which regulates sources of air pollution within the county. Therefore, the SDAPCD developed a Regional Air Quality Strategy (RAQS) to provide control measures to try to achieve attainment status for state ozone standards with control measures focused on VOCs and NO_X. Currently, San Diego is in "non-attainment" status for federal and state O_3 and state PM_{10} and $PM_{2.5.}$ An attainment plan is available for O_3. The RAQS was adopted in 1992 and has been updated as recently as 2022 which was the latest update incorporating minor changes to the prior 2016 update.

The 2022 update mostly summarizes how the 2016 update has lowered NO_X and VOCs emissions which reduces ozone and clarifies and enhances emission reductions by introducing for discussion three new VOC and four new NO_X reduction measures. NO_X and VOCs are precursors to the formation of ozone in the atmosphere. The criteria pollutant standards are generally attained when each monitor within the region has had no exceedances during the previous three calendar years. A complete listing of the current attainment status for criteria pollutants with respect to both federal and state nonattainment status by pollutants for the County is shown in Table 2.2 on the following page (SDAPCD, 2023).

The RAQS is largely based on population predictions by the San Diego Association of Governments (SANDAG). Projects that produce less growth than predicted by SANDAG would generally conform to the RAQS. Projects that create more growth than projected by SANDAG may create a significant impact if the Project produces unmitigable air quality emissions or if the Project produces cumulative impacts.

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 air quality analysis.

Table 2.2: San Diego County Air Basin Attainment Status by Pollutant

Criteria Pollutant	Federal Designation	State Designation
Ozone (8-Hour)	Nonattainment	Nonattainment
Ozone (1-Hour)	Attainment *	Nonattainment
Carbon Monoxide	Attainment	Attainment
PM10	Unclassifiable **	Nonattainment
PM2.5	Attainment	Nonattainment***
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	No Federal Standard	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Visibility	No Federal Standard	Unclassified

** The federal 1-hour standard of 12 pphm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in State Implementation Plans.*
*** At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.*
****The California Air Resources Board (CARB) has not reclassified the region to attainment yet due to (1) incomplete data, and (2) the use of non-California Approved Samplers (CAS). While data collected does meet the requirements for designation of attainment with federal PM2.5 standards, the data completeness requirements for state PM2.5 standards substantially exceed federal requirements and mandates, and have historically not been feasible for most air districts to adhere to given local resources. APCD has begun replacing most regional filter-based PM2.5 monitors as they reach the end of their useful life with continuous PM2.5 air monitors to ensure collected data meets stringent completeness requirements in the future. APCD anticipates these new monitors will be approved as "CAS" monitors once CARB review the list of approved monitors, which has not been updated since 2013.*
(SDAPCD, 2023)

2.4 California Environmental Quality Act (CEQA) Significance Thresholds

The California Environmental Quality Act has provided a checklist to identify the significance of air quality impacts. These guidelines are found in Appendix G of the CEQA guidelines and are as follows:

AIR QUALITY -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the Project:

A: Conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy (RAQS) or applicable portions of the State Implementation Plan (SIP)?

B: Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable Federal or State ambient air quality standard (PM_{10}, $PM_{2.5}$ or exceed quantitative thresholds for O_3 precursors, oxides of nitrogen [NO_X] and Volatile Organic Compounds [VOCs])?

C: Expose sensitive receptors (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations?

D: Result in other emission (such as those leading to odors) adversely affecting a substantial number of people?

2.5 SDAPCD Rule 20.2 – Air Quality Impact Assessment Screening Thresholds

The SDAPCD has established thresholds in Rule 20.2 for new or modified stationary sources. These screening criteria can be used to demonstrate that a project's total emissions would not result in a significant impact as defined by CEQA. Also, since SDAPCD does not have AQ thresholds for Volatile Organic Compounds (VOCs), it is acceptable to use the Coachella Valley VOC threshold from South Coast Air Quality Management District. Should emissions be found to exceed these thresholds, additional modeling is required to demonstrate that the project's total air quality impacts are below the state and federal ambient air quality standards. These screening thresholds for construction and daily operations are shown in Table 2.3 below.

Table 2.3: Screening Level Thresholds for Criteria Pollutants

Pollutant	Total Emissions (Pounds per Day)
Construction Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	100 and 55
Nitrogen Oxide (NO_x)	250
Sulfur Oxide (SO_x)	250
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs)	75
Reactive Organic Gases (ROG) SCAQMD	75
Operational Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	100 and 55
Nitrogen Oxide (NO_x)	250
Sulfur Oxide (SO_x)	250
Carbon Monoxide (CO)	550
Lead and Lead Compounds	3.2
Volatile Organic Compounds (VOCs)	75
Reactive Organic Gases (ROG) SCAQMD	75

Non-Criteria pollutants such as Hazardous Air Pollutants (HAPs) or Toxic Air Contaminants (TACs) are also regulated by the SDAPCD. Rule 1200 (Toxic Air Contaminants - New Source Review) adopted on June 12, 1996, requires evaluation of potential health risks for any new, relocated, or modified emission unit which may increase emissions of one or more toxic air contaminants. The rule requires that projects that propose an incremental increase to cancer risk of between one in one million and ten in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall the project increase the incremental cancer risk to over ten in one million with the application of T-BACT or a health hazard index (chronic and acute) greater than one. It should be noted; the Project has indicated that all diesel equipment onsite would be Tier 4.

2.6 Local Air Quality

Criteria pollutants are measured continuously throughout the San Diego Air Basin. This data is used to track ambient air quality patterns throughout the County. As mentioned earlier, this data is also used to determine attainment status when compared to the NAAQS and CAAQS. The SDAPCD is responsible for monitoring and reporting monitoring data (SDAPCD, 2025). The proposed development project is closest to the Kearney Villa Road monitoring location, roughly 11 miles to the south though it has limited available data. Table 2.4 identifies the criteria pollutants monitored at the aforementioned stations.

Table 2.4: Four-Year Ambient Air Quality Summary near the Project Site

Pollutant	Closest Recorded Ambient Monitoring Site	Averaging Time	CAAQS	NAAQS	2021	2022	2023	Days Exceeded over 3 years
O_3 (ppm)	Kearney Villa Road Data	1 Hour	0.09 ppm	No Standard	0.10	0.10	0.09	2
		8 Hour	0.070 ppm	0.070 ppm	0.07	0.08	0.08	6
PM_{10} ($\mu g/m^3$)		24 Hour	50 $\mu g/m^3$	150 $\mu g/m^3$	N/A	N/A	55	N/A
		Annual Arithmetic Mean	20 $\mu g/m^3$	No Standard	N/A	N/A	21.7	N/A
$PM_{2.5}$ ($\mu g/m^3$)		24 Hour	No standard -	35 $\mu g/m^3$	20.9	13.9	24.5	N/A
		Annual Arithmetic Mean	12 $\mu g/m^3$	15 $\mu g/m^3$	7.7	6.8	7.1	N/A
NO_2 (ppm)		Annual Arithmetic Mean	0.030 ppm	0.053 ppm	0.006	0.008	0.006	N/A
		1 Hour	0.18 ppm	0.100 ppm	0.060	0.051	0.038	N/A

Notes:
1. Days exceeded marked with "N/A" indicate no data available

3.0 METHODOLOGY

3.1 Construction Emissions Calculations

CalEEMod Version 2022.1 was utilized for all construction emissions calculations for the proposed CPA Buildout and the proposed Project. For both scenarios, the analysis assumes demolition of the Existing Development (75,000 SF Commercial Office).

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 mid 2026 and buildout would be expected in 2027. The estimated construction duration and equipment is shown in Table 3.1 below.

Table 3.1: Expected Construction Equipment

Equipment Identification	Activity Start Date	Activity Completion Date	Quantity
Demolition	6/1/2026	6/26/2026	
Concrete/Industrial Saws			1
Excavators			3
Rubber Tired Dozers			2
Site Preparation	6/27/2026	7/10/2026	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	7/11/2026	8/21/2026	
Excavators			1
Graders			1
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			3
Building Construction	9/22/2026	8/9/2027	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Paving	7/13/2027	8/9/2027	
Pavers			2
Paving Equipment			2
Rollers			2
Architectural Coating	6/1/2027	8/9/2027	
Air Compressors			1
This equipment list is based upon equipment inventory within CALLEEMOD.			

In addition, since final 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.

3.2 Operational Air Quality Emissions Calculations

Once construction is complete, the proposed project would generate Air Quality emissions from daily operations. Buildout is expected in 2027 and the first full year of operations are expected in 2028. Daily operations would include area sources (e.g., landscaping equipment and architectural coatings), energy (electricity/natural gas), mobile (vehicular), solid waste, and water, which are calculated within CalEEMod. Air Quality models for each operational scenario (CPA Buildout and proposed Project) are slightly different, so CalEEMod inputs are listed below:

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.

3.3 Odor Impacts

Potential onsite construction odor generators would include short term construction odors from activities such as paving and possibly painting. Odors created from paving would include asphalt laying, which has a slight odor from the bitumen and solvents used within hot asphalt. Impacts associated with asphalt laying activities would be short term, as shown in ***Attachments A*** and ***-B*** to this report, and are therefore expected to be less than significant. The operations for either the CPA Buildout scenario or the proposed Project consist of residential uses which do not typically generate offensive odors. Based on this, operational odor impacts for both scenarios would be less than significant odor impact.

4.0 FINDINGS

Using CalEEMod 2022.1, construction emission outputs are summarized in Tables 4.1a and 4.1b below. Based on the findings, neither the CPA Buildout scenario nor the proposed Project will exceed City screening standards during Construction and will not require mitigation to be considered less than significant under CEQA.

CPA Buildout (160-Units):

Table 4.1a: Expected Construction Emissions Summary – CPA Buildout (lb/day)

Year	ROG	NO_x	CO	SO_2	PM_{10} (Exhaust)	PM_{10} (Dust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Dust)	$PM_{2.5}$ (Total)
2026	3.21	29.21	29.56	0.05	1.24	19.81	21.05	1.14	10.14	11.28
2027	49.36	18.06	30.54	0.04	0.66	1.41	2.06	0.61	0.33	0.94
Screening Level Threshold (lb/day)	75	250	550	250	-	-	100	-	-	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	-	-	**No**	-	-	**No**

Project (122-Units):

Table 4.1b: Expected Construction Emissions Summary – Project (lb/day)

Year	ROG	NO_x	CO	SO_2	PM_{10} (Dust)	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Dust)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
2026	3.21	29.21	29.56	0.05	1.24	19.81	21.05	1.14	10.14	11.28
2027	38.09	17.86	29.14	0.04	0.66	1.10	1.76	0.61	0.26	0.87
Screening Level Threshold (lb/day)	75	250	550	250	-	-	100	-	-	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	-	-	**No**	-	-	**No**

Construction activities for both the CPA Buildout and the proposed Project, which would occur on the same 5.5-acre site and are not located near any sensitive outdoor receptors. Therefore, health risks would not be expected.

It should be noted however, that construction would utilize Tier 4 diesel construction equipment as this practice is standard in the City of San Diego. Tier 4 equipment is considered T-BACT and generates the lowest exhaust emissions and would therefore reduce any construction health risks related to diesel particulates adjacent to the site even if sensitive receptors were located nearby.

4.1 Operational Findings

Once construction is complete, the proposed project would generate Air Quality emissions from daily operations. Project Buildout is expected in 2027 and the first full year of operations are expected in 2028. Utilizing the CALEEMOD 2022.1 operational Air Quality emission outputs are reported below:

CPA Buildout (160-Units):

Table 4.2a indicates that the air quality emissions from the CPA Buildout operations would be less than significant for both the summer and winter months (See ***Attachment A***).

Table 4.2a: Expected Summer Daily Pollutant Generation – CPA Buildout (lb/day)

	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
Total (Unmitigated)	**12.86**	**3.11**	**33.18**	**0.06**	**5.39**	**1.45**
Screening Level Threshold (lb/day)	75	250	550	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Winter						
Total (Unmitigated)	**12.00**	**3.24**	**22.88**	**0.06**	**5.39**	**1.45**
Screening Level Threshold (lb/day)	75	250	550	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Daily pollutant generation assumes trip distances within CalEEMod. The final numbers are all rounded within Excel and are reported as rounded numbers.						

Project (122-Units):

Table 4.2b indicates that the air quality emissions from the proposed Project operations would be less than significant for both the summer and winter months (See ***Attachment B***).

Table 4.2b: Expected Summer Daily Pollutant Generation – Project (lb/day)

	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
Total	**9.77**	**1.74**	**25.03**	**0.04**	**4.06**	**1.05**
Screening Level Threshold (lb/day)	75	250	550	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Winter						
Total	**9.11**	**1.84**	**17.18**	**0.04**	**4.06**	**1.05**
Screening Level Threshold (lb/day)	75	250	550	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Daily pollutant generation assumes trip distances within CalEEMod. The final numbers are all rounded within Excel and are reported as rounded numbers.						

4.2 Cumulative Impact Findings

Cumulative construction impacts would exist when either there are direct construction air quality impacts or when multiple construction projects occur within the same area simultaneously. To illustrate this, if a Project was to produce air quality emissions simultaneous to a nearby construction project the addition of both project emissions to the environment could exceed significance thresholds.

The 5.5 acre Project site is located in an area of the City which is largely built out and construction projects which could have the potential to cumulatively add to the Project's construction emissions do not exist. Therefore, a less than significant cumulative construction impact would be expected for the CPA Buildout or proposed Project

The Existing site consists of 75,000 SF of general commercial office space. Based on Table 3 of the City's Trip Generation Manual (City of San Diego, 2003), a land use of this type would generate 1,358 daily trips. The Proposed Project CPA Buildout will generate 960 trips (LL&G, 2025). Since mobile emissions are typically the largest source emissions generated by a project, fewer trips would generally yield a reduced air quality emission contribution cumulatively. Given this, since the CPA Buildout would generate fewer operational trips than the existing 75,000-SF office (960 vs. 1,358), the cumulative contribution would be less than significant. Similarly, the proposed Project would generate even fewer trips than the CPA Buildout scenario or 732 daily trips (LL&G, 2025). Therefore, the Project would also have a less than significant Cumulative impact. It should be noted that the greenhouse gas (GHG) analysis assumed 1,155 existing trips and evaluated emissions on a comparative basis relative to the proposed project; therefore, the use of the lower existing ADT represents a

conservative assumption. As a secondary comparison 960 trips is also less than 1,155 trips. Given this the findings would remain the same.

In addition, since the CPA Buildout or proposed Project would not generate more emissions than currently expected from the existing commercial office space, the CPA Buildout and proposed Project would be consistent with the RAQS and SIP. Therefore, neither would conflict with either the RAQS or SIP.

4.3 Conclusion of Findings

Based upon the analysis of construction and operation activities for both the CPA Buildout and the proposed Project, a less than significant construction and operational air quality impact would be expected. In addition, a less than significant cumulative impact was found and would be expected for both construction and operations.

Odors from construction activities typically are noticed from construction equipment, paving activities and sometimes painting activities but are short-term. Based on this, though the CPA Buildout Scenario and the proposed Project would generate short-term odors, no long-term significant construction odor impacts would be expected. Operations of a residential use would not generate odors typically considered objectionable. Because of this, a less than significant odor impact would be expected during the operations of any residential use on the 5.5 acre site.

Cumulative construction impacts would exist when either there are direct construction air quality impacts or when multiple construction projects occur within the same area simultaneously. To illustrate this, if a Project was to produce air quality emissions simultaneous to a nearby construction project the addition of both project emissions to the environment could exceed significance thresholds.

The Project is located in an area of the City which is largely built out and construction projects which could have the potential to cumulatively add to the Project's construction emissions does not exist. Therefore, a less than significant cumulative construction impact would be expected for either the CPA Buildout scenario or the proposed Project.

The Existing site consists of 75,000 SF of general commercial office space. Based on Table 3 of the City's Trip Generation Manual (City of San Diego, 2003), a land use of this type would generate 1,358 daily trips. The Proposed Project CPA Buildout will generate 960 trips (LL&G, 2025). Since mobile emissions are typically the largest source emissions generated by a project, fewer trips would generally yield a reduced air quality emission contribution cumulatively. Given this, since the CPA Buildout would generate fewer operational trips than

the existing 75,000-SF office (960 vs. 1,358), its cumulative contribution would be less than significant. Similarly, the proposed Project would generate even fewer trips than the CPA Buildout scenario or 732 daily trips (LL&G, 2025). Therefore, the Project would also have a less than significant Cumulative impact. As stated above the greenhouse gas (GHG) analysis assumed 1,155 existing trips and evaluated emissions on a comparative basis relative to the proposed project; therefore, the use of the lower existing ADT represents a conservative assumption. As a secondary comparison 960 trips is also less than 1,155 trips. Given this the findings would remain the same.

In addition, since the CPA Buildout or proposed Project would not generate more emissions than currently expected from the existing commercial office space, the proposed Project would be consistent with the RAQS and SIP. Therefore, neither would conflict with either the RAQS or SIP.

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ATTACHMENT A

CalEEMod – 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 – 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