

Appendix A

Air Quality & GHG Technical Data

Temescal Valley-Lawson Residential Project

Riverside County, California

Tentative Tract Map No. 39146

GPA250004

CZ2500010



**1801 Pierce Street, Ste. 200
Riverside, CA 92505
951-710-3010**

October 30, 2025

Purpose and Intent

The purpose of this technical document is to provide the air quality and greenhouse gas (GHG) emissions information necessary to support the environmental analysis in the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the Temescal Valley-Lawson Residential Project. The analysis and modeling presented herein constitute substantial evidence under the California Environmental Quality Act (CEQA) (Public Resources Code §21080 et seq.) and the CEQA Guidelines (§15064, §15064.4, §15125, and §15126.2).

This memorandum documents the existing setting, applicable regulatory framework, modeling methods, and results used to assess potential impacts related to air quality and greenhouse gas emissions. The findings support the IS/MND's determination of significance in accordance with CEQA and applicable thresholds of significance established by the South Coast Air Quality Management District (SCAQMD).

1.0 Project Description

The Project involves the proposed Warmington Residential – Temescal Valley development (Tentative Tract Map 39146) on a 10-acre property in unincorporated Riverside County. The Project proposes 85 single-family detached condominium homes and associated private common areas. Project approvals include a General Plan Amendment from Community Development: Commercial Retail to High Density Residential, and a Zone Change from Scenic Highway Commercial (C-P-S) to General Residential (R-3).

On-site improvements include grading, internal streets, landscaping, and utilities. Off-site improvements consist of utility connections and roadway tie-ins to existing infrastructure.

Figure 1. Project Vicinity Location



Figure 2. Site Plan



2.0 Air Quality

2.1 Air Quality Setting

The Project site is located within the South Coast Air Basin (SoCAB) under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SoCAB is influenced by both topography and meteorological conditions, bounded by the Pacific Ocean to the west and mountain ranges to the east. Air quality monitoring data from the Lake Elsinore station (SRA 25) were used to characterize local conditions.

2.2 Description of Criteria Pollutants and Health Effects

The criteria pollutants of concern include ozone (O₃), carbon monoxide (CO), nitrogen oxides (NO_x), sulfur oxides (SO_x), volatile organic compounds (VOCs), and particulate matter (PM₁₀ and PM_{2.5}). These pollutants originate from combustion, industrial, and mobile sources and are regulated under state and federal ambient air quality standards.

Table 1. Description of Criteria Pollutants

Pollutant	Description
Carbon Monoxide (CO)	Carbon monoxide is gas that has no odor, taste, or color. Burning fuels, including gas, wood, propane, or charcoal, make carbon monoxide.
Oxides of Nitrogen (NO _x)	Nitrogen Oxides are a family of poisonous, highly reactive gases. These gases form when fuel is burned at high temperatures. Nox pollution is emitted by automobiles, trucks and various non-road vehicles (e.g., construction equipment, boats)
Volatile Organic Compounds (VOC)	Volatile organic compounds (VOCs) are a group of chemicals that can vaporize into air. VOCs are in thousands of daily use products, including paint, varnish, wax, and various cleaning, degreasing, and cosmetic products. VOC vapors are emitted into the air by dry cleaners, auto-body shops, painting and coating facilities, and gas engines.
Oxides of Sulphur (SO _x)	Most of the sulfur dioxide released into the environment comes from electric utilities, especially those that burn coal. Some other sources of sulfur dioxide include petroleum refineries, cement manufacturing, paper pulp manufacturing, and metal smelting and processing facilities.
Particulate Matter	(PM) is made up of particles (tiny pieces) of solids or liquids that are in the air. These particles may include: Dust Dirt Soot Smoke and Drops of liquid. Emissions from combustion of gasoline, oil, diesel fuel or wood produce much of the PM _{2.5} pollution found in outdoor air. PM ₁₀ also includes dust from construction sites, landfills and agriculture, wildfires and brush/waste burning, industrial sources, wind-blown dust from open lands, pollen.

Table 2. Effects of Air Pollutants on Human Health

Pollutant	Effects on Health and the Environment
Ozone (O ₃)	<ul style="list-style-type: none"> Respiratory symptoms Worsening of lung disease leading to premature death Damage to lung tissue Crop, forest and ecosystem damage Damage to a variety of materials, including rubber, plastics, fabrics, paint and metals
PM _{2.5} (particulate matter less than 2.5 microns in aerodynamic diameter)	<ul style="list-style-type: none"> Premature death Hospitalization for worsening of cardiovascular disease Hospitalization for respiratory disease Asthma-related emergency room visits Increased symptoms, increased inhaler usage
PM ₁₀ (particulate matter less than 10 microns in aerodynamic diameter)	<ul style="list-style-type: none"> Premature death & hospitalization, primarily for worsening of respiratory disease Reduced visibility and material soiling
Nitrogen Oxides (NO _x)	<ul style="list-style-type: none"> Lung irritation Enhanced allergic responses
Carbon Monoxide (CO)	<ul style="list-style-type: none"> Chest pain in patients with heart disease Headache Light-headedness Reduced mental alertness
Sulfur Oxides (SO _x)	<ul style="list-style-type: none"> Worsening of asthma: increased symptoms, increased medication usage, and emergency room visits

Source: California Air Resources Board. <https://ww2.arb.ca.gov/resources/common-air-pollutants>.

2.3 Existing Air Quality

Federal and State Ambient Air Quality Standards

The CARB has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants than the NAAQS (see Table 1). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 1). Similar to the federal CAA, the state classifies as either “attainment” or “non-attainment” areas for each pollutant based on the comparison of measured data with the CAAQS. The portion of the SoCAB covering the project site is a non-attainment area for the state 1-hour and 8-hour ozone, PM₁₀, and PM_{2.5} standards.

Table 3. Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		–		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	No Separate State Standard		35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12 µg/m ³		
Carbon Monoxide (CO)	1 Hour	20 ppm (23 µg/m ³)	Non-dispersive Infrared Photometry	35 ppm (40 mg/m ³)	–	Non-dispersive Infrared Photometry

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
	8 Hour	9.0 ppm (10 µg/m ³)		9 ppm (10 mg/m ³)	–	
	8 Hour (Lake Tahoe)	6 ppm (7 µg/m ³)		–	–	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	–	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	–	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1,300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas) ¹¹	–	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

ppm = parts per million; ppb = parts per billion; µg/m³ = micrograms per cubic meter; – = not applicable.

1 California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter (PM10, PM2.5, 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 a 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 PM10, 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 PM2.5, 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 further clarification and current national policies.

3 Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4 Any equivalent measurement method which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.

5 National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6 National Secondary Standards: The levels of air quality necessary to protect the 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 December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standards of 15 µg/m³. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 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 standards are in units of ppb. California standards are in units of ppm. To directly compare the national

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
standards to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 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 areas designated non-attainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of ppb. California standards are in units of ppm. To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.						
12 The 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 the 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/m ³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated non-attainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.						
14 In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.						
SOURCE: California Air Resources Board						

Air quality in the Project area generally reflects regional conditions in the SoCAB. Monitoring data collected at the Lake Elsinore station (2020–2022) indicate periodic exceedances of the 8-hour ozone standard and particulate matter standards. Other pollutants remain below state and federal limits.

Table 4. Summary of Air Quality Measurements Recorded at the Lake Elsinore Air Quality Monitoring Station

Pollutant/Standard	2020	2021	2022
Ozone			
Federal Max 8-hr (ppm)	0.100	0.097	0.091
Days 2015 Federal 8-hour Standard Exceeded (0.07 ppm)	54	44	37
Days 2008 Federal 8-hour Standard Exceeded (0.075 ppm)	31	22	27
State Max 8-hr (ppm)	0.100	0.098	0.092
Days State 8-hour Standard Exceeded (0.07 ppm)	55	46	37
Max. 1-hour (ppm)	0.130	0.118	0.121
Days State 1-hour Standard Exceeded (0.09 ppm)	1	0	0
Nitrogen Dioxide			
Max 1-hour (ppm)	0.0436	0.0437	0.0372
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0
Days Federal 1-hour Standard Exceeded (0.100 ppm)	0	0	0
Annual Average (ppm)	0.007	0.007	0.007
PM₁₀*			
Federal Max. Daily (µg/m ³)	192.4	90.0	91.8
Measured Days Federal 24-hour Standard Exceeded (150 µg/m ³)	1	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 µg/m ³)	1.0	0.0	0.0
Federal Annual Average (µg/m ³)	23.7	22.4	20.3
State Max. Daily (µg/m ³)	--	--	--
Measured Days State 24-hour Standard Exceeded (50 µg/m ³)	--	--	--
Calculated Days State 24-hour Standard Exceeded (50 µg/m ³)	--	--	--
State Annual Average (µg/m ³)	--	--	--
PM_{2.5}*			
Federal Max. Daily (µg/m ³)	--	--	--
Measured Days Federal 24-hour Standard Exceeded (35 µg/m ³)	--	--	--
Calculated Days Federal 24-hour Standard Exceeded (35 µg/m ³)	--	--	--

Pollutant/Standard	2020	2021	2022
Federal Annual Average ($\mu\text{g}/\text{m}^3$)	--	--	--
State Max. Daily ($\mu\text{g}/\text{m}^3$)	41.6	28.8	16.2
State Annual Average ($\mu\text{g}/\text{m}^3$)	7.2	6.9	5.8

SOURCE: CARB 2023.

ppm = parts per million; $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter; -- = Not available.

*Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year.

Attainment Status

The South Coast Air Basin (SoCAB)—which includes the western, non-desert portion of Riverside County under the jurisdiction of the South Coast Air Quality Management District (SCAQMD)—is currently designated as nonattainment for several federal and state standards, particularly for ozone (O_3) and fine particulate matter ($\text{PM}_{2.5}$). Table X-1 summarizes the current federal and state attainment designations applicable to the SoCAB, as documented in the SCAQMD 2022 Air Quality Management Plan (AQMP) and CARB's 2023 Area Designations for the CAAQS.

Table 5. Current Federal and State Attainment Designations Applicable to the SoCAB

Pollutant	Averaging Time	Federal Standard	Federal Designation / Classification	California Standard	State Designation
Ozone (O_3)	1-Hour (0.12 ppm – 1979)	0.12 ppm	Nonattainment (Extreme)	0.09 ppm	Nonattainment (Extreme)
Ozone (O_3)	8-Hour (0.08 ppm – 1997)	0.08 ppm	Nonattainment (Extreme)	0.070 ppm	Nonattainment (Extreme)
Ozone (O_3)	8-Hour (0.075 ppm – 2008)	0.075 ppm	Nonattainment (Extreme)	—	—
Ozone (O_3)	8-Hour (0.070 ppm – 2015)	0.070 ppm	Nonattainment (Pending / Expected Extreme)	—	—
$\text{PM}_{2.5}$ (Fine Particulates)	Annual ($12 \mu\text{g}/\text{m}^3$ – 2012)	$12 \mu\text{g}/\text{m}^3$	Nonattainment (Serious)	$12 \mu\text{g}/\text{m}^3$	Nonattainment
PM_{10} (Coarse Particulates)	24-Hour ($150 \mu\text{g}/\text{m}^3$ – 1987)	$150 \mu\text{g}/\text{m}^3$	Attainment / Maintenance Area	$50 \mu\text{g}/\text{m}^3$	Nonattainment (Serious)
Carbon Monoxide (CO)	1-Hour (35 ppm)	35 ppm	Attainment / Maintenance Area	20 ppm	Attainment
Carbon Monoxide (CO)	8-Hour (9 ppm)	9 ppm	Attainment / Maintenance Area	9 ppm	Attainment
Nitrogen Dioxide (NO_2)	Annual (0.053 ppm)	0.053 ppm	Attainment	0.18 ppm (1-Hour)	Attainment
Sulfur Dioxide (SO_2)	1-Hour (75 ppb)	75 ppb	Attainment	0.25 ppm (1-Hour)	Attainment
Lead (Pb)	3-Month Avg ($0.15 \mu\text{g}/\text{m}^3$ – 2008)	$0.15 \mu\text{g}/\text{m}^3$	Partial Nonattainment (LA County only)	$1.5 \mu\text{g}/\text{m}^3$ (30-Day Avg)	Attainment
Hydrogen Sulfide (H_2S)	1-Hour (0.03 ppm)	—	—	0.03 ppm	Unclassified
Visibility Reducing Particles	8-Hour (Ext. Coeff. $\geq 0.23 \text{ km}^{-1}$)	—	—	—	Unclassified

Notes:

- Applies to Riverside County areas within the South Coast Air Basin (non-desert portion under SCAQMD jurisdiction).
- The Coachella Valley (eastern Riverside County) lies in the Salton Sea Air Basin and has separate attainment designations.
- Federal designations follow the U.S. EPA National Ambient Air Quality Standards (NAAQS); state designations follow the California Ambient Air Quality Standards (CAAQS).





Source: California Air Resources Board, maps of federal and state designations.

<https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>

2.4 Regulatory Framework

Air quality in California is regulated through a multi-tiered structure of federal, state, regional, and local agencies. The U.S. Environmental Protection Agency (EPA) administers the federal Clean Air Act; the California Air Resources Board (CARB) sets state standards and implements statewide programs; and the South Coast Air Quality Management District (SCAQMD) manages regional air quality planning, rulemaking, and enforcement. Riverside County implements policies through its General Plan and CEQA review processes.

Table 6. Air Quality Regulatory Agencies

Regulatory Agency	Regulations
	<p>US Environmental Protection Agency (US EPA) implements the Clean Air Act which calls for state, local, federal and tribal governments to implement the Act in partnership to reduce pollution. Roles vary depending on the nature of the air pollution problem.</p>
	<p>California Air Resources Board (CARB), under oversight by the US EPA, sets the State's own emissions limits from air pollution sources (which may be stricter than federal limits), creates policies to fight climate change, and develops actions to reduce the public's exposure to toxic air contaminants from a variety of sources.</p>
	<p>South Coast Air Quality Management District (SCAQMD) is responsible for regional air quality planning in the Project area. The SCAQMD maintains its own individual permitting program to reduce emissions from stationary and area-wide sources, with the stringency of each program varying based on the State and National Ambient Air Quality Standards.</p>
	<p>County of Riverside implements General Plan policies imposes mitigation measures under CEQA to reduce air pollutant emissions for a development project.</p>

SCAQMD Air Quality Management Plan and Project Consistency Analysis

Overview of SCAQMD Air Quality Management Plan

The South Coast Air Quality Management District (SCAQMD) is responsible for protecting both public health and the environment from the impacts of air pollution within the South Coast Air Basin (SoCAB). As the SoCAB is designated as a nonattainment area for state air quality standards related to 1-hour and 8-hour ozone, PM10, and PM2.5, the SCAQMD periodically develops and updates Air Quality Management Plans (AQMPs) to establish strategies for reducing these pollutants. The most recent AQMP, the 2022 AQMP, was adopted in December 2022 and continues the district's efforts to meet both National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS).

The AQMPs are regularly revised to address the need for more effective emission reductions, accommodate regional growth, and minimize economic impacts associated with air pollution control. The 2022 AQMP utilizes current scientific and technological data, incorporates planning assumptions from the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS) prepared by the Southern California Association of Governments (SCAG), and applies updated emission inventory methodologies for a variety of source categories. Innovative approaches in the plan include incentive programs, leveraging co-benefit programs across sectors, and devising fair-share reduction strategies at the federal, state, and local levels.

Project Site Land Use and Zoning

The Project Site is designated as Commercial Retail (CR) according to the County's General Plan Land Use Map and is zoned as Scenic Highway Commercial (C-P-S) on the County's Zoning Map. The proposed land use—General Residential—is not permitted under the existing C-P-S zoning. Therefore, the Project includes a request for a zoning change to General Residential (R3) and a General Plan Amendment from Commercial Retail (CR) to High Density Residential. These changes would allow for development of an 85-unit condominium home project.

Determining Consistency with the AQMP

The South Coast Air Quality Management District prepares and revises the AQMP to demonstrate compliance with federal and state air quality standards within the South Coast Air Basin. The AQMP establishes a regional framework for reducing emissions of criteria air pollutants through coordinated control measures and growth management strategies. The latest AQMP, adopted in 2022, is based on long-term demographic and economic forecasts by SCAG, specifically those outlined in the 2020 RTP/SCS. These forecasts provide the population, housing, and employment projections that form the foundation for the AQMP's emissions inventories and attainment demonstrations.

Under the California Environmental Quality Act (CEQA), a project may be deemed consistent with the AQMP if it does not conflict with or obstruct implementation of AQMP control measures and if its projected population, housing, and employment growth do not exceed the assumptions used in the AQMP's emissions forecasts.

Project Overview and Population Growth Analysis

The proposed Project entails a General Plan Amendment and Zone Change to redesignate the site from Commercial to Residential R-3, permitting development of 85 multi-family residential units. Using the California Department of Finance's (DOF) Table E-5, which indicates an average household size of 3.12 persons for Riverside County, the Project would generate approximately 265 new residents.

According to SCAG's growth forecast for Riverside County's unincorporated areas, the population is expected to increase from 370,500 in 2016 to 525,600 by 2045, a rise of 155,100 people over 29 years. The Project's addition of about 265 residents accounts for approximately 0.17 percent of the jurisdiction's forecasted growth ($265 \div 155,100 = 0.0017$). This minor increase falls well within the population growth assumptions adopted by SCAG and incorporated into the

SCAQMD's 2022 AQMP. Therefore, the Project does not induce growth beyond what is already planned and accounted for in regional air quality planning documents.

Vehicle Miles Traveled (VMT) Screening

The Vehicle Miles Traveled Screening Evaluation (see Appendix H-1) determined that the Project meets the "Small Project" screening criterion established under CEQA Guidelines §15064.3(b). According to the Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA, single-family residential projects with fewer than 110 dwelling units are presumed to have a less-than-significant VMT impact. Since the proposed Project consists of 85 residential units, it meets the "Small Project" threshold, and a detailed VMT analysis is not required. The Project's VMT generation is consistent with regional travel behavior assumptions in SCAG's 2020 RTP/SCS, supporting consistency with transportation-related emissions forecasts and control strategies in the 2022 AQMP.

Consistency Determination

The Project's projected population growth of approximately 265 persons represents a negligible share of the jurisdiction's forecasted increase and remains within the regionally adopted growth assumptions. The Project's VMT generation is screened as less-than-significant under CEQA Guidelines §15064.3(b), confirming consistency with travel activity levels assumed in the 2022 AQMP's emissions modeling.

In summary, the Project would not conflict with or impede implementation of the SCAQMD 2022 Air Quality Management Plan, and its impacts on air quality plan consistency would be less than significant. No mitigation measures are required.

SCAQMD Rules

The South Coast Air Quality Management District (SCAQMD) adopts and enforces rules designed to attain and maintain federal and state ambient air quality standards within the South Coast Air Basin. These rules implement the control measures identified in the Air Quality Management Plan (AQMP) and establish limits and best-available control practices for emissions from construction and operational activities. Compliance with applicable SCAQMD rules ensures that new development projects minimize pollutant emissions and are consistent with the region's air quality improvement objectives

Table 7. Selected South Coast AQMD Rules for Residential Projects

Rule	Topic	Purpose / Relevance
Rule 403	Fugitive Dust	Requires Best Available Control Measures for earthmoving, grading, unpaved travel; limits PM ₁₀ .
Rule 1113	Architectural Coatings	Limits VOC content of paints/coatings used during finishing.
Rule 1403	Asbestos (Demo/Reno)	Survey, notification, and work practice requirements for ACM handling.
Rule 445	Wood-Burning Devices	No-burn day curtailments; restrictions on new installations; reduces PM _{2.5} .
Rule 402 / Rule 401	Nuisance / Visible Emissions	Prohibits public nuisance odors and visible emissions.
Rule 1108 / 1108.1	Cutback & Emulsified Asphalt	Restricts VOC emissions from paving applications.

SCAQMD Regional Significance Thresholds

The South Coast Air Quality Management District (SCAQMD) establishes regional significance thresholds to determine whether a project's construction or operational emissions could substantially contribute to regional air quality impacts in the South Coast Air Basin. These thresholds represent the daily mass emissions levels at which a project's contribution to criteria pollutants would be considered potentially significant under CEQA. Comparing project-generated emissions to these thresholds provides a consistent, objective basis for evaluating air quality impacts and determining the need for mitigation.

Table 8. . Regional CEQA Significance Thresholds

Pollutant	Appendix A Threshold (lbs/day)	SCAQMD CEQA Threshold – Construction (lbs/day)	SCAQMD CEQA Threshold – Operation (lbs/day)
VOC (ROG)	137	75	55
NO _x	137	100	55
CO	548	550	550
SO _x	137	150	150
PM ₁₀	82	150	150
PM _{2.5}	65	55	55

Localized Significance Thresholds

The South Coast Air Quality Management District (SCAQMD) developed **Localized Significance Thresholds (LSTs)** to evaluate the potential for localized air quality impacts at or near a project site. LSTs assess whether emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and particulate matter (PM₁₀ and PM_{2.5}) generated during construction or operation could exceed ambient air quality standards at nearby sensitive receptors. By comparing on-site emissions to the applicable LSTs based on project size, location, and distance to receptors, this screening tool ensures that localized pollutant concentrations remain within health-protective limits and provides substantial evidence for CEQA impact conclusions.

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the Project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the SCAB. To assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the Project-related air emissions in the Project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology).

Table 9. Localized Significance (LST) Thresholds

Phase	On-Site Pollutant Emissions (pounds/day) ¹			
	NO _x	CO	PM ₁₀	PM _{2.5}
SCAQMD Threshold for 25 meters (82 feet) or less ²	371	1,965	13	8

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes substantive stationary sources of emissions, or uses that attract mobile sources that may spend long periods queuing and idling at the site (e.g., industrial uses, transfer facilities, and warehouses). The Project does not propose or require uses that would constitute substantive stationary sources of emissions; or uses that attract mobile emissions

sources that may spend long periods queuing and idling at the site. Accordingly, no operational-source emissions LST analysis is required.

County of Riverside General Plan

Riverside County General Plan – Air Quality Element: Policies to reduce VMT, support AQMP implementation. Guides discretionary approvals.

The Air Quality Element of the County's General Plan (County of Riverside 2015). contains the following policies related to air quality:

- AQ 1.5** Establish and implement air quality, land use and circulation measures that improve not only the County's environment but the entire region.
- AQ 2.1** The County land use planning efforts shall assure that sensitive receptors are separated and protected from polluting point sources to the greatest extent possible.
- AQ 2.2** Require site plan designs to protect people and land uses sensitive to air pollution through the use of barriers and/or distance from emissions sources when possible.
- AQ 2.3** Encourage the use of pollution control measures such as landscaping, vegetation and other materials, which trap particulate matter or control pollution.
- AQ 4.1** Require the use of all feasible building materials/methods which reduce emissions.
- AQ 4.2** Require the use of all feasible efficient heating equipment and other appliances, such as water heaters, swimming pool heaters, cooking equipment, refrigerators, furnaces and boiler units.
- AQ 4.4** Require residential building construction to comply with energy use guidelines detailed in Part 6 (California Energy Code) and/or Part 11 (California Green Building Standards Code) of Title 24 of the California Code of Regulations.
- AQ 4.7** To the greatest extent possible, require every project to mitigate any of its anticipated emissions which exceed allowable emissions as established by the SCAQMD, MDAQMD, SoCAB, the Environmental Protection Agency and the California Air Resources Board.
- AQ 4.8** Expand, as appropriate, measures contained in the County's Fugitive Dust Reduction Program for the Coachella Valley to the entire County.
- AQ 4.9** Require compliance with SCAQMD Rules 403 and 403.1, and support appropriate future measures to reduce fugitive dust emanating from construction sites.
- AQ 5.1** Utilize source reduction, recycling and other appropriate measures to reduce the amount of solid waste disposed of in landfills.
- AQ 5.2** Adopt incentives and/or regulations to enact energy conservation requirements for private and public developments.

- AQ 5.4** Encourage the incorporation of energy-efficient design elements, including appropriate site orientation and the use of shade and windbreak trees to reduce fuel consumption for heating and cooling.

2.5 Air Quality Modeling Parameters

Emissions were estimated using CalEEMod (Version 2022) for both construction and operational phases. Construction activities include site preparation, grading, building construction, paving, and architectural coating. Operational emissions account for vehicle trips, energy use, and area sources associated with residential development.

Buildout / Phasing Assumption

Construction

Construction activities associated with the Project include but are not limited to site preparation, grading, building construction, paving, and architectural coating, which would emit volatile organic compounds (VOCs), nitrogen oxides (NO_x), sulfur dioxide (SO_x), carbon monoxide (CO), and particulate matter (PM₁₀, and PM_{2.5}). The CalEEMod datasheets in **Appendix A** identifies the inputs and assumptions used to estimate the Project's construction-related air quality emissions.

For analytical purposes the Project is calculated as commencing construction in 2025 but should construction commence later, the emissions reported herein would not be exceeded and would likely be reduced as older and more polluting pieces of construction equipment are phased out of construction fleets and replaced with newer, less polluting equipment. Because market conditions are uncertain, the analysis assumes a single, continuous construction phase consistent with Appendix A's schedule (site prep & grading in 2025; building through 2026–2027; paving and architectural coatings in 2027). This is an acceptable and conservative CEQA assumption for regional mass-daily and localized screening because it captures the worst-case same-day overlap of activities.

Revisit the assumption only if: (1) active earth disturbance would exceed 5 acres/day; (2) substantially more concurrent heavy equipment is proposed than modeled; or (3) sensitive receptors are introduced closer than ~130 feet.

Operations

The ongoing operation of the Proposed Project would result in a long-term increase in air quality emissions. This increase would be due to emissions from the Project-generated vehicle trips and through operational emissions from the on-going use of the Proposed Project.

Vehicle trip generation assumptions for CalEEMod were obtained directly from the project's traffic study to maintain consistency between the transportation and emissions analyses. The traffic study identified an estimated 802 average daily trips associated with development of 85 single-family detached homes. This trip generation corresponds to the trip rate published under ITE Land Use Code 210 (Single-Family Detached Housing) in the *ITE Trip Generation Manual* (11th Edition, 2021). The traffic study's trip generation rates and daily trip totals were input into CalEEMod (Version 2022.1.1.29) for weekday and weekend conditions.

The AQMD's California Emissions Estimator Model (CalEEMod) summer and winter emission factors were used to derive emissions associated with the Project's operational activities, which vary by season.

2.6 Air Quality Modeling Results

Construction-related and operational emissions were compared against the SCAQMD's regional mass daily and localized significance thresholds. Results demonstrate that emissions from the Project are below all applicable thresholds.

Construction activities associated with the Project include but are not limited to site preparation, grading, building construction, paving, and architectural coating, which would emit volatile organic compounds (VOCs), nitrogen oxides (NO_x), sulfur dioxide (SO_x), carbon monoxide (CO), and particulate matter (PM₁₀, and PM_{2.5}). The CalEEMod datasheets in **Appendix A** identifies the inputs and assumptions used to estimate the Project's construction-related air quality emissions.

For analytical purposes the Project is calculated as commencing construction in 2025 but should construction commence later, the emissions reported herein would not be exceeded and would likely be reduced as older and more polluting pieces of construction equipment are phased out of construction fleets and replaced with newer, less polluting equipment. The calculated maximum daily emissions associated with Project construction are presented in **Table 10: Construction Emissions Summary**. As shown in **Table 10**, emissions resulting from Project construction would not exceed the significance thresholds established by the SCAQMD for emissions of any criteria pollutant. Accordingly, the Project would not emit substantial concentrations of these pollutants during construction and would not contribute to an existing or projected air quality violation, on a direct or cumulatively considerable basis. Impacts associated with construction-related emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5} would be less than significant and mitigation is not required.

Table 10. Construction Emissions Summary (unmitigated)

Year	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Winter						
2025	3.38	31.7	31.2	0.05	6.71	3.94
2026	1.20	10.3	14.7	0.03	0.86	0.47
2027	52.0	9.80	14.6	0.03	0.82	0.43
Summer						
2026	1.21	10.3	15.3	0.03	0.86	0.47
2027	52.0	0.85	1.53	<0.005	0.10	0.04
Maximum Daily Emissions	52.0	31.7	31.2	0.05	6.71	3.94
SCAQMD Regional Threshold	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Operations

The ongoing operation of the Proposed Project would result in a long-term increase in air quality emissions. This increase would be due to emissions from the Project-generated vehicle trips and through operational emissions from the on-going use of the Proposed Project.

The AQMD's California Emissions Estimator Model (CalEEMod) summer and winter emission factors were used to derive emissions associated with the Project's operational activities, which vary by season. The Project's estimated operational source emissions are summarized in **Table 11: Operations Emissions Summary**. As shown on **Table 11**, the Project's daily regional emissions from on-going operations would not exceed the SCAQMD thresholds of significance for emissions of any criteria pollutants. Therefore, the Project would not emit substantial concentrations of any criteria pollutants during long-term operation and would not contribute to an existing or projected air quality violation. Impacts would be less than significant.

Table 11. Operations Emissions Summary (Unmitigated)

Operational Activities	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Area Source	4.26	0.05	4.82	<0.005	<0.005	<0.005
Energy Source	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	3.43	3.44	32.2	0.08	7.21	1.87
Total Maximum Daily Emissions	7.69	3.49	37.0	0.08	7.21	1.87
SCAQMD Regional Threshold	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO
Winter						
Area Source	3.83	--	--	--	--	--
Energy Source	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	3.21	3.69	26.9	0.08	7.21	1.87
Total Maximum Daily Emissions	7.04	3.69	26.9	0.08	7.21	1.87
SCAQMD Regional Threshold	137	137	548	137	82	65
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Localized Construction Emissions

The local air quality emissions from Project construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables (**Appendix A**) for Source Receptor Area 25 (Lake Elsinore), which is the closest to the Project site. The closest receptor would be approximately 40 meters, or approximately 130 feet. The emission thresholds were based on a disturbance of 5 acres per day, at a distance of 25 meters (82 feet). **Table 3: Localized Significance – Construction**, below, identifies that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors.

Table 12. Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day) ¹			
	NO _x	CO	PM ₁₀	PM _{2.5}
Site Preparation	31.6	30.2	6.48	3.89
Grading	16.3	17.9	2.56	1.55
Building Construction	9.85	13.0	0.38	0.35
Paving	6.94	9.95	0.30	0.27
Architectural Coating	0.83	1.13	0.02	0.02
Maximum Construction Emissions	31.6	30.2	6.48	3.96
SCAQMD Threshold for 25 meters (82 feet) or less ²	371	1,965	13	8
Exceeds Threshold?	No	No	No	No
Notes: 1 Source: CalEEMod and SCAQMD's Mass Rate Look-up Tables for 5 acres in Lake Elsinore Receptor Area (SRA 25). Project will disturb a maximum of 5 acres per day 2 The nearest sensitive receptor is located approximately 130 feet (40 meters) to the north; therefore, the 25-meter threshold has been used.				

Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the Proposed Project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment (HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed Project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed Project.

3.0 Greenhouse Gas Emissions

3.1 Setting and Regulatory Framework

Gases that trap heat in the atmosphere are often referred to as greenhouse gases (GHG). These gases are released into the atmosphere by both natural and anthropogenic (human) activity. Without the natural greenhouse gas effect, the earth's average temperature would be approximately 61° Fahrenheit (F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

Currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency.

County of Riverside Climate Action Plan

Riverside County's Climate Action Plan (CAP) provides guidance on how to analyze GHG emissions and determine significance during the CEQA review of proposed development projects within the County. To address the state's requirement to reduce GHG emissions, the County prepared its CAP with the goal of reducing GHG emissions within the County by 49% below "existing" 2008 levels by the year 2030 and 83% below the 2008 baseline levels by 2050. The County's GHG reduction targets are consistent with the AB 32, SB 32, and EO S 3 05, and ensure that the County is providing GHG reductions locally that will complement the State and international efforts of stabilizing climate change.

The CAP identifies a two-step approach in evaluating GHG emissions. First, a screening threshold of 3,000 MTCO₂e/yr is used to determine if additional analysis is required. Projects that exceed the 3,000 MTCO₂e/yr will be required to quantify and disclose the anticipated GHG emissions then either 1) demonstrate GHG emissions at project buildout year levels of efficiency and includes project design features and/or MMs to reduce GHG emissions or 2) garner 100 points through the Screening Tables.

Based on the CalEEMod version 2022 output as shown in **Table 13: Project GHG Emissions**, the Project will result in approximately 1,499.16 MTCO₂e/yr and would not exceed the County's screening threshold of 3,000 MTCO₂e/yr. Thus, the Project would not have the potential to result in a cumulatively considerable impact with respect to GHG emissions and Project GHG emissions would have a less than significant impact.

3.2 GHG Modeling Results

GHG emissions were estimated using CalEEMod (Version 2022). Total annual emissions are approximately 1,499 metric tons CO₂e per year, which is below the County's screening threshold of 3,000 MTCO₂e/year. Therefore, Project GHG impacts would be less than significant.

Table 13. Project GHG Emissions

Emissions Source	Emissions (MT/yr)				
	CO ₂	CH ₄	N ₂ O	Refrigerants	Total CO ₂ e
Mobile Sources	1,285	0.05	0.06	2.04	1,306
Area Sources	1.46	0.005	<0.005	-	1.47
Energy Sources	125	0.01	<0.005	-	125
Water Usage	20.9	0.11	<0.005	-	24.6
Waste	6.96	0.70	0.00	-	24.3
Refrigerants				0.20	0.20
Annual Construction-related Emissions amortized over 30 years					17.39
Total CO ₂ e (all sources)					1,499.16

Relationship to State and Regional GHG Reduction Plans

Projects that demonstrate consistency with an adopted **local Climate Action Plan (CAP)** that has been **qualified under CEQA** are generally considered consistent with broader state and regional greenhouse gas (GHG) reduction strategies. Specifically:

- **State Scoping Plan (AB 32 / AB 52 Framework):** The California Air Resources Board's *Scoping Plan* implements Assembly Bill (AB) 32 and subsequent updates (including SB 32). If a project complies with a qualified CAP, it is presumed to be consistent with the Scoping Plan because the CAP's reduction measures are designed to meet or exceed the State's GHG reduction targets at the local level.
- **Connect SoCal (Southern California Association of Governments, SCAG):** The region's *Sustainable Communities Strategy (SCS)*—Connect SoCal—integrates land use and transportation planning to reduce regional vehicle miles traveled (VMT) and related GHG emissions. A project consistent with a CAP is likewise assumed to be consistent with Connect SoCal, as CAP measures are coordinated with the SCS to support regional implementation of the Scoping Plan.

Accordingly, a project found consistent with Riverside County's Climate Action Plan is presumed to be consistent with both the **CARB Scoping Plan** and **SCAG's Connect SoCal** plan, satisfying CEQA Guidelines §15183.5 for tiered GHG analysis.

Appendix A

CalEEMod Summary Report

24-18 Temescal TTM Custom Report

Table of Contents

1. Basic Project Information	22	4.3.2 Mitigated.....	40
1.1. Basic Project Information.....	22	4.4. Water Emissions by Land Use.....	40
1.2. Land Use Types.....	22	4.4.1 Unmitigated.....	40
1.3. User-Selected Emission Reduction Measures by Emissions Sector	22	4.4.2 Mitigated.....	41
2. Emissions Summary.....	23	4.5. Waste Emissions by Land Use	41
2.1. Construction Emissions Compared Against Thresholds.....	23	4.5.1 Unmitigated.....	41
2.2. Construction Emissions by Year, Unmitigated	24	4.5.2 Mitigated.....	41
2.3. Construction Emissions by Year, Mitigated.....	24	4.6. Refrigerant Emissions by Land Use.....	42
2.4. Operations Emissions Compared Against Thresholds.....	25	4.6.1 Unmitigated	42
2.5. Operations Emissions by Sector, Unmitigated	25	4.6.2 Mitigated.....	42
2.6. Operations Emissions by Sector, Mitigated.....	26	4.7. Offroad Emissions By Equipment Type .	42
3. Construction Emissions Details	27	4.7.1 Unmitigated	42
3.1. Site Preparation (2025) - Unmitigated..	27	4.7.2 Mitigated.....	43
3.2. Site Preparation (2025) - Mitigated	28	4.8. Stationary Emissions By Equipment Type	43
3.3. Grading (2025) - Unmitigated.....	29	4.8.1 Unmitigated	43
3.4. Grading (2025) - Mitigated	29	4.8.2 Mitigated.....	43
3.5. Building Construction (2026) - Unmitigated	30	4.9. User Defined Emissions By Equipment Type	44
3.6. Building Construction (2026) - Mitigated.....	31	4.9.1 Unmitigated.....	44
3.7. Building Construction (2027) - Unmitigated	32	4.9.2 Mitigated.....	44
3.8. Building Construction (2027) - Mitigated.....	32	4.10. Soil Carbon Accumulation By Vegetation Type.....	44
3.9. Paving (2027) - Unmitigated.....	33	4.10.1 Soil Carbon Accumulation By Vegetation Type - Unmitigated	44
3.10. Paving (2027) - Mitigated	34	4.10.2 Above and Below Ground Carbon Accumulation by Land Use Type - Unmitigated	45
3.11. Architectural Coating (2027) - Unmitigated	35	4.10.3 Avoided and Sequestered Emissions by Species - Unmitigated	45
3.12. Architectural Coating (2027) - Mitigated.....	36	4.10.4 Soil Carbon Accumulation By Vegetation Type - Mitigated.....	46
4. Operations Emissions Details	37	4.10.5 Above and Below Ground Carbon Accumulation by Land Use Type - Mitigated ...	46
4.1. Mobile Emissions by Land Use	37	4.10.6 Avoided and Sequestered Emissions by Species - Mitigated	46
4.1.1 Unmitigated.....	37	5. Activity Data	47
4.1.2 Mitigated	37	5.1. Construction Schedule	47
4.2. Energy	38	5.2. Off-Road Equipment.....	47
4.2.1 Electricity Emissions By Land Use - Unmitigated	38	5.2.1 Unmitigated.....	47
4.2.2 Electricity Emissions By Land Use - Mitigated	38	5.2.2 Mitigated.....	48
4.2.3 Natural Gas Emissions By Land Use - Unmitigated	38	5.3. Construction Vehicles.....	48
4.2.4 Natural Gas Emissions By Land Use - Mitigated	39	5.3.1 Unmitigated.....	48
4.3. Area Emissions by Source	39	5.3.2 Mitigated.....	49
4.3.1 Unmitigated.....	39		

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-18 Temescal TTM
Construction Start Date	10/6/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	21.8
Location	33.76570048175185, -117.4879236821443
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5582
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Single Family Housing	85.0	Dwelling Unit	10.0	165,750	995,593	—	275	Single-Family homes at a density of 8-14 d/ac

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Energy	E-12-A	Install Alternative Type of Water Heater in Place of Gas Storage Tank Heater in Residences
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Energy	E-15	Require All-Electric Development

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.0	52.0	10.3	15.3	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,093	3,093	0.12	0.08	2.18	3,121
Mit.	52.0	52.0	10.3	15.3	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,093	3,093	0.12	0.08	2.18	3,121
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.0	52.0	31.7	31.2	0.05	1.37	5.34	6.71	1.26	2.68	3.94	—	5,522	5,522	0.23	0.08	0.06	5,543
Mit.	52.0	52.0	31.7	31.2	0.05	1.37	5.34	6.71	1.26	2.68	3.94	—	5,522	5,522	0.23	0.08	0.06	5,543
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.05	3.02	7.36	10.6	0.02	0.27	0.40	0.61	0.25	0.19	0.33	—	2,188	2,188	0.08	0.05	0.67	2,207
Mit.	3.05	3.02	7.36	10.6	0.02	0.27	0.40	0.61	0.25	0.19	0.33	—	2,188	2,188	0.08	0.05	0.67	2,207
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	0.55	1.34	1.93	<0.005	0.05	0.07	0.11	0.05	0.04	0.06	—	362	362	0.01	0.01	0.11	365
Mit.	0.56	0.55	1.34	1.93	<0.005	0.05	0.07	0.11	0.05	0.04	0.06	—	362	362	0.01	0.01	0.11	365
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.44	1.21	10.3	15.3	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,093	3,093	0.12	0.08	2.18	3,121
2027	52.0	52.0	0.85	1.53	<0.005	0.02	0.08	0.10	0.02	0.02	0.04	—	216	216	0.01	<0.005	0.26	218
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.02	3.38	31.7	31.2	0.05	1.37	5.34	6.71	1.26	2.68	3.94	—	5,522	5,522	0.23	0.05	0.02	5,543
2026	1.43	1.20	10.3	14.7	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,059	3,059	0.11	0.08	0.06	3,085
2027	52.0	52.0	9.80	14.6	0.03	0.34	0.48	0.82	0.31	0.12	0.43	—	3,047	3,047	0.11	0.07	0.05	3,072
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.35	0.30	2.74	2.92	<0.005	0.12	0.40	0.52	0.11	0.19	0.30	—	502	502	0.02	<0.005	0.04	504
2026	1.02	0.86	7.36	10.6	0.02	0.27	0.34	0.61	0.25	0.08	0.33	—	2,188	2,188	0.08	0.05	0.67	2,207
2027	3.05	3.02	1.51	2.27	<0.005	0.05	0.07	0.12	0.05	0.02	0.07	—	439	439	0.02	0.01	0.11	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.06	0.05	0.50	0.53	<0.005	0.02	0.07	0.09	0.02	0.04	0.06	—	83.0	83.0	<0.005	<0.005	0.01	83.4
2026	0.19	0.16	1.34	1.93	<0.005	0.05	0.06	0.11	0.05	0.01	0.06	—	362	362	0.01	0.01	0.11	365
2027	0.56	0.55	0.27	0.41	<0.005	0.01	0.01	0.02	0.01	<0.005	0.01	—	72.7	72.7	<0.005	<0.005	0.02	73.2

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.44	1.21	10.3	15.3	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,093	3,093	0.12	0.08	2.18	3,121
2027	52.0	52.0	0.85	1.53	<0.005	0.02	0.08	0.10	0.02	0.02	0.04	—	216	216	0.01	<0.005	0.26	218
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.02	3.38	31.7	31.2	0.05	1.37	5.34	6.71	1.26	2.68	3.94	—	5,522	5,522	0.23	0.05	0.02	5,543
2026	1.43	1.20	10.3	14.7	0.03	0.38	0.48	0.86	0.35	0.12	0.47	—	3,059	3,059	0.11	0.08	0.06	3,085
2027	52.0	52.0	9.80	14.6	0.03	0.34	0.48	0.82	0.31	0.12	0.43	—	3,047	3,047	0.11	0.07	0.05	3,072
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.35	0.30	2.74	2.92	<0.005	0.12	0.40	0.52	0.11	0.19	0.30	—	502	502	0.02	<0.005	0.04	504
2026	1.02	0.86	7.36	10.6	0.02	0.27	0.34	0.61	0.25	0.08	0.33	—	2,188	2,188	0.08	0.05	0.67	2,207
2027	3.05	3.02	1.51	2.27	<0.005	0.05	0.07	0.12	0.05	0.02	0.07	—	439	439	0.02	0.01	0.11	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.06	0.05	0.50	0.53	<0.005	0.02	0.07	0.09	0.02	0.04	0.06	—	83.0	83.0	<0.005	<0.005	0.01	83.4
2026	0.19	0.16	1.34	1.93	<0.005	0.05	0.06	0.11	0.05	0.01	0.06	—	362	362	0.01	0.01	0.11	365
2027	0.56	0.55	0.27	0.41	<0.005	0.01	0.01	0.02	0.01	<0.005	0.01	—	72.7	72.7	<0.005	<0.005	0.02	73.2

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.04	7.69	3.49	37.0	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	9,259	9,307	5.27	0.39	30.3	9,585
Mit.	8.04	7.69	3.49	37.0	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	9,266	9,315	5.27	0.39	30.3	9,592
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.37	7.04	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	8,737	8,785	5.28	0.40	1.94	9,038
Mit.	7.37	7.04	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	8,744	8,793	5.28	0.40	1.94	9,046
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.58	7.24	3.71	30.5	0.08	0.06	6.89	6.95	0.06	1.75	1.81	48.6	8,642	8,691	5.28	0.39	13.5	8,953
Mit.	7.58	7.24	3.71	30.5	0.08	0.06	6.89	6.95	0.06	1.75	1.81	48.6	8,650	8,698	5.28	0.39	13.5	8,961
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.38	1.32	0.68	5.57	0.01	0.01	1.26	1.27	0.01	0.32	0.33	8.05	1,431	1,439	0.87	0.07	2.23	1,482
Mit.	1.38	1.32	0.68	5.57	0.01	0.01	1.26	1.27	0.01	0.32	0.33	8.05	1,432	1,440	0.87	0.07	2.23	1,484
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	> -0.5%	> -0.5%	> -0.5%	> -0.5%	—	> -0.5%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Area	4.28	4.26	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	753	753	0.07	0.01	—	757
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	8.04	7.69	3.49	37.0	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	9,259	9,307	5.27	0.39	30.3	9,585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Area	3.83	3.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	753	753	0.07	0.01	—	757
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	7.37	7.04	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	8,737	8,785	5.28	0.40	1.94	9,038
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Mobile	3.44	3.11	3.68	27.2	0.08	0.06	6.89	6.95	0.05	1.75	1.80	—	7,761	7,761	0.32	0.37	12.3	7,890
Area	4.14	4.12	0.03	3.30	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	8.83	8.83	<0.005	<0.005	—	8.86
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	753	753	0.07	0.01	—	757
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	7.58	7.24	3.71	30.5	0.08	0.06	6.89	6.95	0.06	1.75	1.81	48.6	8,642	8,691	5.28	0.39	13.5	8,953
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306
Area	0.76	0.75	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	125	125	0.01	<0.005	—	125
Water	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6
Waste	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	1.38	1.32	0.68	5.57	0.01	0.01	1.26	1.27	0.01	0.32	0.33	8.05	1,431	1,439	0.87	0.07	2.23	1,482

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Area	4.28	4.26	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	761	761	0.07	0.01	—	765
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	8.04	7.69	3.49	37.0	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	9,266	9,315	5.27	0.39	30.3	9,592
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Area	3.83	3.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	761	761	0.07	0.01	—	765
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	7.37	7.04	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	48.6	8,744	8,793	5.28	0.40	1.94	9,046
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.44	3.11	3.68	27.2	0.08	0.06	6.89	6.95	0.05	1.75	1.80	—	7,761	7,761	0.32	0.37	12.3	7,890
Area	4.14	4.12	0.03	3.30	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	8.83	8.83	<0.005	<0.005	—	8.86
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	761	761	0.07	0.01	—	765
Water	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	7.58	7.24	3.71	30.5	0.08	0.06	6.89	6.95	0.06	1.75	1.81	48.6	8,650	8,698	5.28	0.39	13.5	8,961
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Mobile	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306
Area	0.76	0.75	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	126	126	0.01	<0.005	—	127
Water	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6
Waste	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	1.38	1.32	0.68	5.57	0.01	0.01	1.26	1.27	0.01	0.32	0.33	8.05	1,432	1,440	0.87	0.07	2.23	1,484

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.39	1.32	<0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	<0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.24	<0.005	0.01	—	0.01	0.01	—	0.01	—	38.4	38.4	<0.005	<0.005	—	38.6
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.02	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	227	227	0.01	0.01	0.02	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.05	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	10.1	10.1	<0.005	<0.005	0.02	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	1.67	1.67	<0.005	<0.005	<0.005	1.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.39	1.32	<0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	<0.005	—	233
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.24	<0.005	0.01	—	0.01	0.01	—	0.01	—	38.4	38.4	<0.005	<0.005	—	38.6
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.02	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	227	227	0.01	0.01	0.02	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.05	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	10.1	10.1	<0.005	<0.005	0.02	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	1.67	1.67	<0.005	<0.005	<0.005	1.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	1.84	1.84	—	0.89	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.34	1.47	<0.005	0.06	—	0.06	0.05	—	0.05	—	243	243	0.01	<0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.27	<0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	<0.005	<0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	<0.005	<0.005	—	16.2	16.2	<0.005	<0.005	0.03	16.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	2.68	2.68	<0.005	<0.005	<0.005	2.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	1.84	1.84	—	0.89	0.89	—	—	—	—	—	—	—

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.34	1.47	<0.005	0.06	—	0.06	0.05	—	0.05	—	243	243	0.01	<0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.27	<0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	<0.005	<0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	<0.005	<0.005	—	16.2	16.2	<0.005	<0.005	0.03	16.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	2.68	2.68	<0.005	<0.005	<0.005	2.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	<0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	<0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.12	2.20	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	422	422	0.02	0.01	1.43	428

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Vendor	0.01	0.01	0.29	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	274	274	0.01	0.04	0.75	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.13	1.67	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	388	388	0.01	0.02	0.04	393
Vendor	0.01	0.01	0.30	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	274	274	0.01	0.04	0.02	286
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.25	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	281	281	<0.005	0.01	0.44	284
Vendor	0.01	<0.005	0.22	0.07	<0.005	<0.005	0.05	0.06	<0.005	0.02	0.02	—	195	195	<0.005	0.03	0.23	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.5	46.5	<0.005	<0.005	0.07	47.1
Vendor	<0.005	<0.005	0.04	0.01	<0.005	<0.005	0.01	0.01	<0.005	<0.005	<0.005	—	32.4	32.4	<0.005	<0.005	0.04	33.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	<0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	<0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.12	2.20	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	422	422	0.02	0.01	1.43	428
Vendor	0.01	0.01	0.29	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	274	274	0.01	0.04	0.75	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.13	1.67	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	388	388	0.01	0.02	0.04	393
Vendor	0.01	0.01	0.30	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	274	274	0.01	0.04	0.02	286
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.25	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	281	281	<0.005	0.01	0.44	284
Vendor	0.01	<0.005	0.22	0.07	<0.005	<0.005	0.05	0.06	<0.005	0.02	0.02	—	195	195	<0.005	0.03	0.23	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.5	46.5	<0.005	<0.005	0.07	47.1
Vendor	<0.005	<0.005	0.04	0.01	<0.005	<0.005	0.01	0.01	<0.005	<0.005	<0.005	—	32.4	32.4	<0.005	<0.005	0.04	33.9

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.03	1.42	<0.005	0.04	—	0.04	0.03	—	0.03	—	263	263	0.01	<0.005	—	264
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.26	<0.005	0.01	—	0.01	0.01	—	0.01	—	43.5	43.5	<0.005	<0.005	—	43.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.12	1.54	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	381	381	0.01	0.01	0.03	385
Vendor	0.01	0.01	0.29	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	269	269	0.01	0.04	0.02	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.3	42.3	<0.005	<0.005	0.06	42.8
Vendor	<0.005	<0.005	0.03	0.01	<0.005	<0.005	0.01	0.01	<0.005	<0.005	<0.005	—	29.4	29.4	<0.005	<0.005	0.03	30.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.03	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	7.00	7.00	<0.005	<0.005	0.01	7.09
Vendor	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	—	4.87	4.87	<0.005	<0.005	0.01	5.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.03	1.42	<0.005	0.04	—	0.04	0.03	—	0.03	—	263	263	0.01	<0.005	—	264
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.26	<0.005	0.01	—	0.01	0.01	—	0.01	—	43.5	43.5	<0.005	<0.005	—	43.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.12	1.54	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	381	381	0.01	0.01	0.03	385
Vendor	0.01	0.01	0.29	0.09	<0.005	<0.005	0.08	0.08	<0.005	0.02	0.03	—	269	269	0.01	0.04	0.02	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.3	42.3	<0.005	<0.005	0.06	42.8
Vendor	<0.005	<0.005	0.03	0.01	<0.005	<0.005	0.01	0.01	<0.005	<0.005	<0.005	—	29.4	29.4	<0.005	<0.005	0.03	30.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.03	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	7.00	7.00	<0.005	<0.005	0.01	7.09
Vendor	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	—	4.87	4.87	<0.005	<0.005	0.01	5.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.55	<0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	<0.005	<0.005	—	83.1
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	13.7	13.7	<0.005	<0.005	—	13.8
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.75	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	187	187	<0.005	0.01	0.02	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.04	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	10.4	10.4	<0.005	<0.005	0.01	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	1.72	1.72	<0.005	<0.005	<0.005	1.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.55	<0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	<0.005	<0.005	—	83.1
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	13.7	13.7	<0.005	<0.005	—	13.8
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.75	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	187	187	<0.005	0.01	0.02	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.04	0.00	0.00	0.01	0.01	0.00	<0.005	<0.005	—	10.4	10.4	<0.005	<0.005	0.01	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.01	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	1.72	1.72	<0.005	<0.005	<0.005	1.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	<0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	<0.005	—	134
Architectural Coatings	51.9	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	<0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	<0.005	—	134
Architectural Coatings	51.9	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	7.32	7.32	<0.005	<0.005	—	7.34
Architectural Coatings	2.84	2.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	<0.005	<0.005	0.01	0.01	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.21	1.21	<0.005	<0.005	—	1.22
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	82.8	82.8	<0.005	<0.005	0.26	84.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	76.2	76.2	<0.005	<0.005	0.01	77.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.02	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	4.23	4.23	<0.005	<0.005	0.01	4.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	<0.005	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	0.70	0.70	<0.005	<0.005	<0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	0.14	0.11	0.83	1.13	<0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	<0.005	—	134
Architectural Coatings	51.9	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	<0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	<0.005	—	134
Architectural Coatings	51.9	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	7.32	7.32	<0.005	<0.005	—	7.34
Architectural Coatings	2.84	2.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	<0.005	<0.005	0.01	0.01	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.21	1.21	<0.005	<0.005	—	1.22
Architect Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	82.8	82.8	<0.005	<0.005	0.26	84.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	76.2	76.2	<0.005	<0.005	0.01	77.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	0.02	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	4.23	4.23	<0.005	<0.005	0.01	4.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	<0.005	<0.005	<0.005	<0.005	0.00	0.00	<0.005	<0.005	0.00	<0.005	<0.005	—	0.70	0.70	<0.005	<0.005	<0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Total	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Total	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306
Total	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306

4.1.2 Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Total	3.76	3.43	3.44	32.2	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	8,373	8,373	0.31	0.36	29.2	8,518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Total	3.54	3.21	3.69	26.9	0.08	0.06	7.15	7.21	0.06	1.81	1.87	—	7,864	7,864	0.32	0.37	0.76	7,984
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306
Total	0.63	0.57	0.67	4.97	0.01	0.01	1.26	1.27	0.01	0.32	0.33	—	1,285	1,285	0.05	0.06	2.04	1,306

4.2. Energy

4.2.1 Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	753	753	0.07	0.01	—	757
Total	—	—	—	—	—	—	—	—	—	—	—	—	753	753	0.07	0.01	—	757
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	753	753	0.07	0.01	—	757
Total	—	—	—	—	—	—	—	—	—	—	—	—	753	753	0.07	0.01	—	757
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.01	<0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.01	<0.005	—	125

4.2.2 Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.07	0.01	—	765
Total	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.07	0.01	—	765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.07	0.01	—	765
Total	—	—	—	—	—	—	—	—	—	—	—	—	761	761	0.07	0.01	—	765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	126	126	0.01	<0.005	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	—	126	126	0.01	<0.005	—	127

4.2.3 Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4 Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1 Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	3.55	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.45	0.43	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Total	4.28	4.26	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	3.55	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.83	3.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	0.65	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06	0.05	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47
Total	0.76	0.75	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	3.55	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.45	0.43	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Total	4.28	4.26	0.05	4.82	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	12.9	12.9	<0.005	<0.005	—	12.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	3.55	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.83	3.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Product s	0.65	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06	0.05	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47
Total	0.76	0.75	0.01	0.60	<0.005	<0.005	—	<0.005	<0.005	—	<0.005	—	1.46	1.46	<0.005	<0.005	—	1.47

4.4. Water Emissions by Land Use

4.4.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Total	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Total	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6
Total	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Total	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Total	—	—	—	—	—	—	—	—	—	—	—	6.62	119	126	0.69	0.02	—	149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6
Total	—	—	—	—	—	—	—	—	—	—	—	1.10	19.8	20.9	0.11	<0.005	—	24.6

4.5. Waste Emissions by Land Use

4.5.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Total	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Total	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3
Total	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Total	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Total	—	—	—	—	—	—	—	—	—	—	—	42.0	0.00	42.0	4.20	0.00	—	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3
Total	—	—	—	—	—	—	—	—	—	—	—	6.96	0.00	6.96	0.70	0.00	—	24.3

4.6. Refrigerant Emissions by Land Use

4.6.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20

4.6.2 Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20

4.7. Offroad Emissions By Equipment Type

4.7.1 Unmitigated

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

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

4.7.2 Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1 Unmitigated

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

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

4.8.2 Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1 Unmitigated

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

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

4.9.2 Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1 Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

4.10.2 Above and Below Ground Carbon Accumulation by Land Use Type - Unmitigated

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

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

4.10.3 Avoided and Sequestered Emissions by Species - Unmitigated

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

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

4.10.4 Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5 Above and Below Ground Carbon Accumulation by Land Use Type - Mitigated

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

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

4.10.6 Avoided and Sequestered Emissions by Species - Mitigated

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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	10/28/2025	11/18/2025	5.00	16.0	—
Grading	Grading	11/19/2025	12/31/2025	5.00	30.0	—
Building Construction	Building Construction	1/1/2026	2/25/2027	5.00	300	—
Paving	Paving	2/26/2027	3/26/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	3/27/2027	4/24/2027	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2 Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3 Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	30.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.09	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	6.12	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2 Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	30.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.09	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT